## **Product Datasheet**

### LC3A Overexpression Lysate NBP2-04906

Unit Size: 0.1 mg

Store at -80C. Avoid freeze-thaw cycles.

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#### NBP2-04906

LC3A Overexpression Lysate

Unit Size0.1 mgConcentrationThe exact concentration of the protein of interest cannot be determined for overexpression lysates. Please contact technical support for more information.StorageStore at -80C. Avoid freeze-thaw cycles.BufferRIPA bufferTarget Molecular Weight14.3 kDaProduct DescriptionExpression Host: HEK293TPascriptionPlasmid: RC220473Accession#: NM_181509Protein Targ: C-MYC/DDKYou will receive 1 vial of lysate (100ug), 1 vial of empty vector negative control (100ug), and 1 vial of 2xSDS sample buffer (250ul). Each vial of cell lysate contains 100ug of total protein (at 1 mg/ml). The 2xSDS Sample Buffer consists ord % SDS, 125MM Tris-HCI pH6.8, 10% Glycerol, 0.002% Bromophenol blue, 100mM DTT.Gene ID84557Gene SymbolMAP1LC3ANotesHEK293T cells in 10-cm dishes were transiently transfected with a non-lipid polymer transfection reagent specially designed and manufactured for large volume DNA transfection. Transfected cells were cultured for large polymer transfection reagent specially designed and manufactured for large volume DNA transfection. Transfected expression dates were volume for darges were instruction dates were cultured for large volume DNA transfection. Transfected expression were lysed in modified RIPA buffer (250M) Tris-HCI pH7.6, 150M MNACI, 1% NP-40, 1mM EDTA, 1xProteinase with 150PA transfected cells were cultured for large volume DNA transfection. Transfected cells were cultured for large volume DNA transfection. Transfected cells were cultured for large volume DNA transfection reagent specially designed and manufactured for large volume DNA transfection. Transfected cells were cultured for large volume DNA transfect	Product Information		
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Buffer   RIPA buffer     Target Molecular Weight   14.3 kDa     Product Description   Expression Lysate     Description   LC3A Transient Overexpression Lysate     Expression Host: HEK293T   Plasmid: RC220473     Accession#: NM_181509   Protein Tag: C-MYC/DDK     You will receive 1 vial of lysate (100ug), 1 vial of empty vector negative control (100ug), and 1 vial of 2xSDS sample buffer (250ul). Each vial of cell lysate contains 100ug of total protein (at 1 mg/ml). The 2xSDS Sample Buffer consists of 4% SDS, 125mM Tris-HCI pH6.8, 10% Glycerol, 0.002% Bromophenol blue, 100mM DTT.     Gene ID   84557     Gene Symbol   MAP1LC3A     Species   Human     Notes   HEK293T cells in 10-cm dishes were transiently transfected with a non-lipid polymer transfection reagent specially designed and manufactured for large volume DNA transfection. Transfected cells were cultured for large volume DNA transfection reagent specially designed and manufactured for large volume DNA transfection reagent specially designed and manufactured for large volume DNA transfection reagent specially designed to clarify the lysate. Protein concentration was measured by BCA protein assay kit.     Lysate Type   Overexpression     Product Application Details   Western Blot	Concentration		
Target Molecular Weight   14.3 kDa     Product Description   LC3A Transient Overexpression Lysate     Expression Host: HEK293T   Expression Host: HEK293T     Plasmid: RC220473   Accession#: NM_181509     Protein Tag: C-MYC/DDK   You will receive 1 vial of lysate (100ug), 1 vial of empty vector negative control (100ug), and 1 vial of 2xSDS sample buffer (250u). Each vial of cell lysate contains 100ug of total protein (at 1 mg/ml). The 2xSDS Sample Buffer consists of 4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromophenol blue, 100mM DTT.     Gene ID   84557     Gene Symbol   MAP1LC3A     Species   Human     Notes   HEK293T cells in 10-cm dishes were transiently transfected with a non-lipid polymer transfection reagent specially designed and manufactured for large volume DNA transfection. Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix, 1mM PMSF and 1mM Na3VO4, and then centrifuged to clarify the lysate. Protein concentration was measured by BCA protein assay kit.     Lysate Type   Overexpression     Product Application Details   Western Blot	Storage	Store at -80C. Avoid freeze-thaw cycles.	
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Applications Western Blot	Lysate Type	Overexpression	
	Product Application Details		
Recommended Dilutions Western Blot	Applications	Western Blot	
	Recommended Dilutions	Western Blot	



Application Notes	This product is intended for use as a positive control in Western Blot. Overexpression of the target protein was confirmed using an antibody to DDK (FLAG) epitope tag ( <u>NBP1-71705</u> ) present on the protein construct.		
	Each vial of cell lysate contains 100ug of total protein which should be sufficient for 20-50 reactions. Depending on over-expression level, antibody affinity and detection system, some lysates can go as low as 0.1 ug per load. We recommend starting with 5ug of cell lysate. Add an equal amount of cell lysate and 2X SDS Sample buffer and boil the SDS samples for 10 minutes before loading.		

#### Images

Western Blot: LC3A Overexpression Lysate [NBP2-04906] - Western Blot: LC3 Overexpression Lysate (Adult Normal) [NBP2-04906] Left-Empty vector transfected control cell lysate (HEK293 cell lysate); Right -Over-expression Lysate for LC3.

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NB100-2331	LC3A Antibody - BSA Free
H00008878-M01	p62/SQSTM1 Antibody (2C11)
NB100-2331PEP	LC3A Antibody Blocking Peptide

#### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Lysates are guaranteed for 6 months from date of receipt.

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