Product Datasheet

Recombinant Human p16INK4a/CDKN2A Protein NBP2-35199-10ug

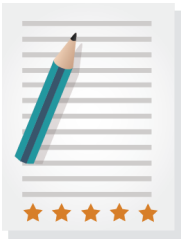
Unit Size: 10ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-35199

Updated 1/25/2025 v.20.1



NBP2-35199-10ug

Recombinant Human p16INK4a/CDKN2A Protein

Product Information

Unit Size	10ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	>95%, by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4.
Target Molecular Weight	16.5 kDa

Product Description

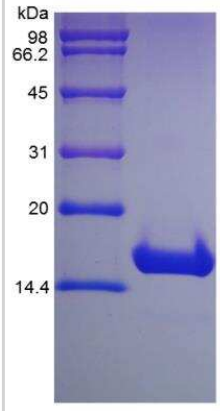
Description	A single non-glycosylated polypeptide chain containing 156 amino acids corresponding to p16INK4a/CDKN2A **Source:** *E. coli* **Amino Acid Sequence:** *MEPAAGSSME PSADWLATAA ARGRVEEVRA LLEAGALPNA PNSYGRRPIQ VMMMGSARVA ELLLLHGAEP NCADPATLTR PVHDAAREGF LDTLVVLHRA GARLDVRDAW GRLPVDLAEE LGHRDVARYL RAAAGGTRGS NHARIDAAEG PSDIPD*
Gene ID	1029
Gene Symbol	CDKN2A
Species	Human
Endotoxin Note	Less than 1 EU/ug of p16INK4a/CDKN2A as determined by LAL method.

Product Application Details

Applications	Western Blot, SDS-Page
Recommended Dilutions	Western Blot, SDS-Page

Images

SDS-Page: Human p16 Protein [NBP2-35199]



Publications

Rachel A. Coleman, Rodrigo Mohallem, Uma K. Aryal, Darci J. Trader Protein degradation profile reveals dynamic nature of 20S proteasome small molecule stimulation RSC Chemical Biology 2021-01-05 [PMID: 34458805]

Panneer Selvam S, Roth BM, Nganga R et al. Balance between senescence and apoptosis is regulated by telomere damage-induced association between p16 and caspase-3 J. Biol. Chem. 2018-05-10 [PMID: 29748384] (Human)

Yunjing Luo, Jingjing Li, Na Zhang et al. Identification of Nitration Sites by Peroxynitrite on p16 Protein. Protein J 2012-06-01 [PMID: 22576576]

Pustavoitau A, Barodka V, Sharpless NE et al. Role of senescence marker p16(INK4a) measured in peripheral blood T-lymphocytes in predicting length of hospital stay after coronary artery bypass surgery in older adults. Exp. Gerontol. 2015-12-09 [PMID: 26692418] (WB)

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Products Related to NBP2-35199-10ug

NBP2-35200-5ug	Recombinant Human p16INK4a/CDKN2A TAT Protein
NB200-103	p53 Antibody (PAb 240) - BSA Free
AF5779	p16INK4a/CDKN2A Antibody [Unconjugated]
NB100-2736	MDM2/HDM2 Antibody (SMP14) - BSA Free

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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