

Product Datasheet

Recombinant Plant *Malus domestica* 1.0101 Strep (N-Term) Protein NBP3-06721

Unit Size: 0.1 mg

Store at -20 to -70C. Avoid freeze-thaw cycles.

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NBP3-06721Recombinant Plant *Malus domestica* 1.0101 Strep (N-Term) Protein

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20 to -70C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with sterile deionized water with or without azide.
Purity	>95%, by HPLC
Buffer	100 mM Tris, 150 mM NaCl, pH 8.0
Target Molecular Weight	19.9 kDa

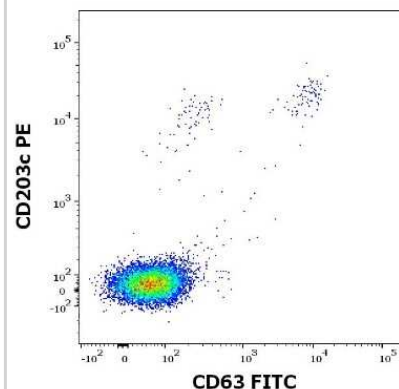
Product Description	
Description	<p>A recombinant protein with a N-Terminal Strep-tag corresponding to 180 amino acids of <i>Malus domestica</i> 1.0101</p> <p>Source: <i>E.coli</i></p> <p>Accession Numbers: XP_008390603.1</p> <p>Store product aliquots at -20C to -70C. Use stored aliquots within 6 months.</p>
Gene ID	103452846
Species	Plant
Reactivity Notes	Apple (<i>Malus domestica</i>)
Preparation Method	The protein was purified by ionex and affinity chromatography, using Strep-tag. Endotoxin was removed using a specific endotrap carrier. Product was lyophilized after purification.

Product Application Details	
Applications	ELISA, Flow Cytometry
Recommended Dilutions	Flow Cytometry, ELISA

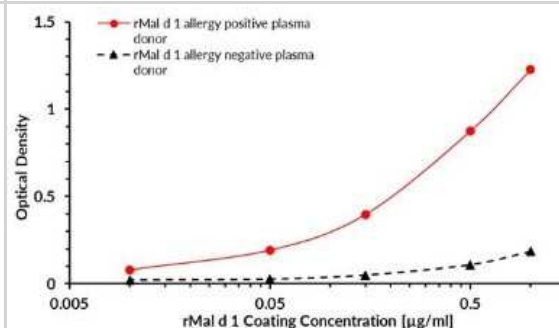


Images

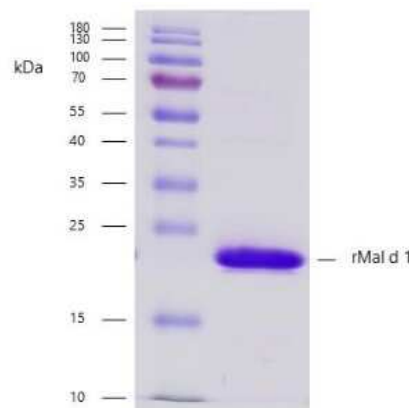
Flow Cytometry: Recombinant Plant *Malus domestica* 1.0101 Strep (N-Term) Protein [NBP3-06721] - Flow cytometry dot-plot staining pattern of *Malus domestica* 1.0101 recombinant allergen stimulated human peripheral whole blood lymphocytes and basophils of a proven allergic donor stained using anti-human CD63 (NB100-77913) FITC and anti-human CD203c PE antibodies.



ELISA: Recombinant Plant *Malus domestica* 1.0101 Strep (N-Term) Protein [NBP3-06721] - ELISA (enzyme-linked immunosorbent assay) test was designed to prove the bond between the coated target recombinant allergen *Malus domestica* 1.0101 and allergen-specific human plasma IgG4 antibodies of *Malus domestica* positive donor. A measurable signal was subsequently generated by the addition of biotin labeled anti-human IgG4 (detection) antibody, Streptavidin-HRP and substrate solution (TMB). The intensity of the signal is proportional to the amount of coated *Malus domestica* 1.0101.



SDS-Page: Recombinant Plant *Malus domestica* 1.0101 Strep (N-Term) Protein [NBP3-06721] - Recombinant allergen *Malus domestica* 1.0101 purity verification. 5 µg of *Malus domestica* 1.0101 with > 95 % purity checked by Coomassie Brilliant Blue stained SDS-PAGE.





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