

MYO3 beta Recombinant Protein | MYO3beta recombinant protein

MYO3 beta, Active

CATALOG # AAA73734	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

MYO3 beta; Active; myosin IIIB; MYO3beta recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Applicable Applications for MYO3beta recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for MYO3beta recombinant protein	Recombinant human MYO3beta (1-326) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_138995. MYO3beta is a member of the Class III myosins that are actin-dependent motor proteins containing an amino-terminal kinase domain. MYO3beta contains a N-terminal kinase domain, followed by motor, neck, and tail domains. The MYO3beta gene generates a variety of splice variants that contain 1 or 2 calmodulin-binding (IQ) motifs in the neck domain and 1 of 3 domains in the tail domain. Northern blot analysis shows expression of a 7-kb MYO3beta transcript in the human retina but not in a RPE cell line (1). The MYO3beta gene transcript is also detected in the kidney, intestine and testis. The MYO3beta gene maps to chromosome 2q31.1-q31.2 by genomic sequence alignment.
Product Categories/Family for MYO3beta recombinant protein	Protein Kinases ; Neurobiology ; Ser/Thr Kinases
References	1. Dose, A C. et al: A class III myosin expressed in the retina is a potential candidate for Bardet-Biedl syndrome. Genomics 79: 621-624, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_138995
Molecular Weight	~63kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/myo3-beta-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73734>