Recombinant Human Myosin IIIB, GST-tagged, Active

Cat. No. MYO3B-367H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MYO3beta (1-326) was expressed by baculovirus in*Sf9*insect cells using an N-terminal GST tag. MW = 63 kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	1-326 a.a.
Description	MYO3β is a member of the Class III myosins that are actin-dependent motor proteins containing an amino-terminal kinase domain. MYO3β contains a N-terminal kinase domain, followed by motor, neck, and tail domains. The MYO3β 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 MYO3β transcript in the human retina but not in a RPE cell line. The MYO3β gene transcript is also detected in the kidney, intestine and testis. The MYO3β gene maps to chromosome 2q31.1-q31.2 by genomic sequence alignment.
Sequence	1-326.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70℃. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable

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	performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	MYO3B myosin IIIB [Homo sapiens]
Synonyms	MYO3B; myosin IIIB; EC 2.7.11.1; Myosin-IIIB
Gene ID	140469
mRNA Refseq	NM_001083615
Protein Refseq	NP_001077084
MIM	610040
UniProt ID	Q8WXR4
Chromosome Location	2q31.1-q31.2
Function	ATP binding; actin binding; motor activity; nucleotide binding; protein serine/threonine kinase activity; transferase activity

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