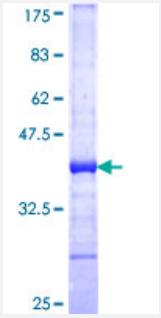
MYO3A (Human) Recombinant Protein (Q01)

Catalog # H00053904-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MYO3A partial ORF (NP_059129, 1400 a.a. - 1490 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	HEEINNIKKKDNKDSKATSEREACGLAIFSKQISKLSEEYFILQKKLNEMILSQQLKSLYLGVSHHKPI NRRVSSQQCLSGVCKGEEPKIL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.64
Interspecies Antigen Sequence	Mouse (94)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MYO3A

Entrez GeneID	53904
GeneBank Accession#	NM_017433
Protein Accession#	NP_059129
Gene Name	MYO3A
Gene Alias	DFNB30
Gene Description	myosin IIIA
Omim ID	606808 607101
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the myosin superfamily. Myosins are actin-dependent motor proteins and are categorized into conventional myosins (class II) and unconventional myosins (classes I and III through XV) based on their variable C-terminal cargo-binding domains. Class III myosins, such as this one, have a kinase domain N-terminal to the conserved N-terminal motor domains and are expressed in photoreceptors. The protein encoded by this gene plays an important role in hearing in humans. Three different recessive, loss of function mutations in the encoded protein have been shown to cause nonsyndromic progressive hearing loss. Expression of this gene is highly restricted, with the strongest expression in retina and cochlea. [provided by RefSeq
Other Designations	OTTHUMP00000019339

Disease

- Alzheimer Disease
- Anxiety Disorders

- Arthritis
- Colorectal Neoplasms
- Depressive Disorder
- Genetic Predisposition to Disease
- Kidney Failure