MYO3A (Human) Recombinant Protein (Q01)

Catalog # : H00053904-Q01 **規格 :** [10 ug] [25 ug]

List All

Specification

Product Description: Human MYO3A partial ORF (NP_059129, 1400 a.a. - 1490 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence: HEEINNIKKKDNKDSKATSEREACGLAIFSKQISKLSEEYFILQKKLNEMILS QQLKSLYLGVSHHKPINRRVSSQQCLSGVCKGEEPKIL

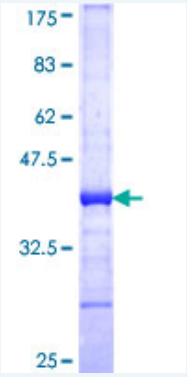
Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 35.64

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.

MSDS: Download

Datasheet: Download

Applications

Enzyme-linked Immunoabsorbent Assay

Western Blot (Recombinant protein)

Antibody Production

Protein Array

Application Image

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Gene Information

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

Related Disease

Alzheimer Disease Anxiety Disorders Arthritis, Rheumatoid Colorectal Neoplasms Depressive Disorder Genetic Predisposition to Disease Kidney Failure, Chronic