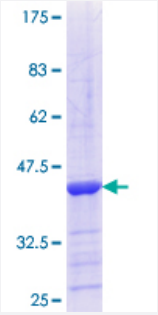
MYO1C (Human) Recombinant Protein (Q01)

Catalog # H00004641-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MYO1C partial ORF (NP_203693.2, 919 a.a. - 1028 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KVKQRIDYANLTGISVSSLSDSLFVLHVQRADNKQKGDVVLQSDHVIETLTKTALSANRVNSININQ GSITFAGGPGRDGTIDFTPGSELLITKAKNGHLAVVAPRLNSR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (95); Rat (95)
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 — MYO1C

Entrez GeneID	4641
GeneBank Accession#	NM_033375
Protein Accession#	NP_203693.2
Gene Name	MYO1C
Gene Alias	FLJ23903, MMI-beta, MMIb, NMI, myr2
Gene Description	myosin IC
Omim ID	606538
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the unconventional myosin protein family, which are actin-based molecular motors. The protein is found in the cytoplasm, and one isoform with a unique N-terminus is also found in the nucleus. The nuclear isoform associates with RNA polymerase I and II and functions in transcription initiation. The mouse ortholog of this protein also functions in intracellular vesicle transport to the plasma membrane. Multiple transcript variants encoding different isoforms have been found for this gene. The related gene myosin IE has been referred to as myosin IC in the literature, but it is a distinct locus on chromosome 19. [provided by RefSeq
Other Designations	myosin-I beta|nuclear myosin I

Disease

- Hearing Loss