

Recombinant Full Length Human MYO9A Protein, GST-tagged

Cat. No. MYO9A-6600HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MYO9A full-length ORF (AAH60886.1, 1 a.a. - 729 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	729 amino acids
Description	This gene encodes a member of the myosin superfamily. The protein represents an unconventional myosin; it should not be confused with the conventional non-muscle myosin-9 (MYH9). Unconventional myosins contain the basic domains of conventional myosins and are further distinguished from class members by their tail domains. They function as actin-based molecular motors. Mutations in this gene have been associated with Bardet-Biedl Syndrome. [provided by RefSeq, Dec 2011]
Molecular Mass	111.1 kDa
AA Sequence	MNINDGGRRRFEDNEHTLRIYPGAISEGTIYCPIPAKKNSTAAEVIESLINKLHLDKTK CYVLAEVKEFGGEEWILNPTDCPVQRMMLWPRMALENRLSGEDYRFLREKNLDG SIHYGSLQSWLRVTEERRRMMERGFLPQPQQKDFDDLCSLPDLNEKTLLLENLRNRF KHEKIYTYVGSILIVINPFKFLPIYNPKYVKMYDNHQLGKLEPHIYAVADVAYHAMLQR KKNQCIVISGESGSGKTQSTNFLIHHTALSQKGFASGVEQIILGAGPVLEAFGNAKT AHNNNSSRFGKFIQVNYQETGTVLGAYVEKYLLEKSRLVYQEHNERNYHVFYYLLA GASEDERSAFHLKQPEEYHYLNQITKKPLRQSWDDYCYDSEPDCFTVEGEDLRHDF

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ERLQLAMEMVGFLPKTRRQIFSLLSAILHLGNICYKKKTYRDDSIDICNPEVLPIVSELL
 EVKEEMLFEALVTRKTVTVGEKLILPYKLAEAVTVRNSMAKSLYSALFDWIVFRINHAL
 LNSKDLEHNTKTLSIGVLDIFGFEDYENNSFEQFCINFANERLQHYFNQHIFKLEQEE
 YRTEGISWHNIDYIDNTCCINLISKKPTGLLHLLDEESNFPQATNQTLDDKFKHQHED
 NSYIEFPVMEPAFIIKHAYAGKVYGVKDFREKNTDHMRPDIVALLRSSKNAFISGMI
 GIDPVAVFRWAILRAFFRAMVAFREAGKRNIHRKTGK

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

MYO9A myosin IXA [Homo sapiens]

Official Symbol

MYO9A

Synonyms

MYO9A; myosin IXA; unconventional myosin-IXa; FLJ11061; FLJ13244; MGC71859;
 myosin-IXa; unconventional myosin-9a;

Gene ID

4649

mRNA Refseq

NM_006901

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Protein Refseq	NP_008832
MIM	604875
UniProt ID	B2RTY4

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