

Recombinant Human MYO7A Protein, GST-tagged

Cat. No. MYO7A-5844H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MYO7A partial ORF (NP_000251, 2118 a.a. - 2213 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene is a member of the myosin gene family. Myosins are mechanochemical proteins characterized by the presence of a motor domain, an actin-binding domain, a neck domain that interacts with other proteins, and a tail domain that serves as an anchor. This gene encodes an unconventional myosin with a very short tail. Defects in this gene are associated with the mouse shaker-1 phenotype and the human Usher syndrome 1B which are characterized by deafness, reduced vestibular function, and (in human) retinal degeneration. Alternative splicing results in multiple transcript variants. [provided by RefSeq]
Molecular Mass	36.3 kDa
AA Sequence	KQTTEPNFPEILLIAINKYGVSLIDPKTKDILTTHPFTKISNWSSGNTYFHITIGNLVRGS KLLCETSLGYKMDDLTSYISQMLTAMSKQRGSRS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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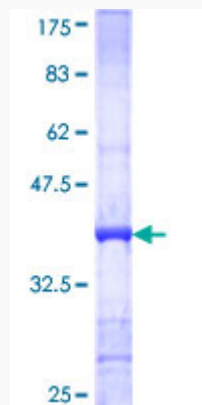
 45-1 Ramsey Road, Shirley, NY 11967, USA

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	MYO7A myosin VIIA [Homo sapiens]
Official Symbol	MYO7A
Synonyms	MYO7A; myosin VIIA; DFNA11, DFNB2, myosin VIIA (Usher syndrome 1B (autosomal recessive, severe)) , USH1B; unconventional myosin-VIIa; NSRD2; myosin-VIIa; myosin VIIA (Usher syndrome 1B (autosomal recessive, severe)); DFNB2; MYU7A; USH1B; DFNA11; MYOVIIA;
Gene ID	4647
mRNA Refseq	NM_000260
Protein Refseq	NP_000251
MIM	276903
UniProt ID	Q13402

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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