

## Recombinant Human MYO7A Protein, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Human MYO7A partial ORF ( NP_000251, 2118 a.a. - 2213 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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]
<b>Molecular Mass</b>	36.3 kDa
<b>AA Sequence</b>	KQTTEPNFPEILLIANKYGVSLIDPKTKDILTTHPFTKISNWSSGNTYFHITIGNLVRGS KLLCETSLGYKMDLLTSYISQMLTAMSKQRGSRS
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	MYO7A myosin VIIA [ Homo sapiens ]
<b>Official Symbol</b>	MYO7A
<b>Synonyms</b>	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;
<b>Gene ID</b>	4647
<b>mRNA Refseq</b>	NM_000260
<b>Protein Refseq</b>	NP_000251
<b>MIM</b>	276903
<b>UniProt ID</b>	Q13402

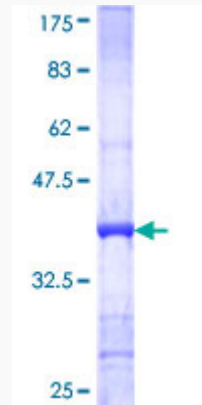
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**Quality Control**

**Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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