

Recombinant Human MYO1A Protein, His-tagged

Cat. No. MYO1A-537H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYO1A(Lys781~Gln1043) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Lys781~Gln1043
Description	This gene encodes a member of the myosin superfamily. The protein represents an unconventional myosin; it should not be confused with the conventional skeletal muscle myosin-1 (MYH1). Unconventional myosins contain the basic domains characteristic 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 autosomal dominant deafness. Alternatively spliced variants have been found for this gene.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	30.6kDa
Identity	Reconstitute in PBS or others
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	MYO1A myosin IA [Homo sapiens]
Official Symbol	MYO1A
Synonyms	MYO1A; myosin IA; DFNA48, MYHL; unconventional myosin-Ia; myosin I heavy chain; brush border myosin I; myosin, heavy polypeptide-like (100kD); BBMI; MIHC; MYHL; DFNA48;
Gene ID	4640
mRNA Refseq	NM_001256041
Protein Refseq	NP_001242970

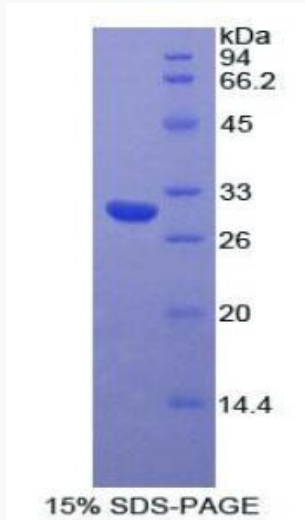
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MIM 601478

UniProt ID Q9UBC5



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