Recombinant Human MYO3A protein, His-tagged

Cat. No. MYO3A-4564H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYO3A protein(1090-1308 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1090-1308 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na_2HPO_4, 17 mM NaH_2PO_4, 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	QSAARGHLVRKQRKEIVDMKNTAVTTIQTSDQEFDYKKNFENTRESFVKKQAENAIS ANERFISAPNNKGSVSVVKTSTFKPEEETTNAVESNNRVYQTPKKMNNVYEEEVKQ EFYLVGPEVSPKQKSVKDLEENSNLRKVEKEEAMIQSYYQRYTEERNCEESKAAYL ERKAISERPSYPVPWLAENETSFKKTLEPTLSQRSIYQNANSMEKEKKTS
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

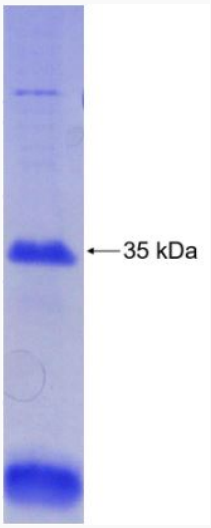
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Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 µg/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name	MYO3A myosin IIIA [Homo sapiens]
Official Symbol	MYO3A
Synonyms	MYO3A; myosin IIIA; deafness, autosomal recessive 30 , DFNB30; myosin-IIIa; DFNB30;
Gene ID	53904
mRNA Refseq	NM_017433
Protein Refseq	NP_059129
MIM	606808
UniProt ID	Q8NEV4

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SDS-PAGE	

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