

## Recombinant Human MYO18A protein, His-tagged

Cat. No. MYO18A-3913H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MYO18A protein(1601-2002 aa), fused to His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1601-2002 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
<b>AA Sequence</b>	<p>           TLSDQVNRDRDFESEKRLRKDLKRTKALLADAQLMLDHLKNSAPSKREIAQLKNQLEE            SEFTCAA AVKARKAMEVEIEDLHLQIDDIKAKTAL EEQLSRLQREKNEIQNRLEEDQ            EDMNELMKKHKA AVAQASRDLAQINDLQAQLEEANKEKQELQEKLQALQSQVEFLE            QSMVDKSLVSRQEAKIRELETRLEFERTQVKRLESLSARLKENMEKLT EERDQRIAA            ENREKEQNKRLQRQLRDTKEEMGELARKEAEASRKKHELEMDLESLEAANQSLQA            DLKLA FK RIGDLQAAIEDEMESDENEDLINSEGDSDVDSELEDRVDGVKSWLSKNKG            PSKAASDDGSLKSSSPTS YWKSLAPDRSDDEHDPLDNTSRPRYSHSYLSDS DTEAK            LTETNA         </p>
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Short-term storage: Store at 2-8°C for (1-2 weeks).

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Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

**Reconstitution**

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
 Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

**Gene Name** [MYO18A myosin XVIIIa \[ Homo sapiens \]](#)

**Official Symbol** [MYO18A](#)

**Synonyms**

MYO18A; myosin XVIIIa; unconventional myosin-XVIIIa; KIAA0216; MysPDZ; MAJN; myosin 18A; myosin-XVIIIa; myosin containing PDZ domain; myosin containing a PDZ domain; SP-A receptor subunit SP-R210 alphaS; molecule associated with JAK3 N-terminus; MYSPDZ; SPR210; DKFZp686L0243;

**Gene ID** [399687](#)

**mRNA Refseq** [NM\\_078471](#)

**Protein Refseq** [NP\\_510880](#)

**MIM** [610067](#)

**UniProt ID** [Q92614](#)

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