

Recombinant Human MYO1A protein, His-tagged

Cat. No. MYO1A-5307H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYO1A protein(NP_001242970)(1-350 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-350 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
AA Sequence	MPLLEGSGVEDLVLEPLVEESLLKNLQLRYENKEIYTYIGNVVISVNPYQQLPIYGP EFIAKYQDYTFYELKPHIYALANVAYQSLRDRDRDQCILITGESGSGKTEASKLVMSY VAAVCGKGGEQVNSVKEQLLQSNPVLEAFGNAKTIRNNNSSRFGKYMDIEFDFKGSP LGGVITNYLLEKSRLVKQLKGERNFHIFYQLLAGADEQLLKALKLERDTTGYAYLNHE VSRVDGMDDASSFRAVQSAMAVIGFSEEEIRQVLEVTSMLKLGNVLVADEFQASGI PASGIRDGRGVREIGEMVGLNSEEVERALCSRTMETAKEKVVTALNVMQAQYARDA LAKNIY
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 $\mu\text{g}/\mu\text{l}$ 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 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

MIM 601478

UniProt ID Q9UBC5

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