

Recombinant Human MYH14 protein, His-tagged

Cat. No. MYH14-3236H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYH14 protein(1231-1430 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1231-1430 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MQARRGKGAWKTRLALEAEVSELRAELSSLQTARQEGEQRRRRLELQLQEVQGR AGDGERARAEAAEKLQRAQAELENVSGALNEAESKTIRLSKELSSTEAQLHDAQELL QEETRAKLALGSRVRAMEAEAAGLREQLEEEAAARERAGRELQTAQAQLSEWRRR QEEEAGALEAGEEARRRRAAREAEALTQRLAEKTE
Purity	85%, 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 containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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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.
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GENE INFORMATION

Gene Name	MYH14 myosin, heavy chain 14, non-muscle [Homo sapiens]
Official Symbol	MYH14
Synonyms	MYH14; myosin, heavy chain 14, non-muscle; DFNA4, myosin, heavy chain 14 , myosin, heavy polypeptide 14; myosin-14; FLJ13881; KIAA2034; MHC16; MYH17; MYH14 variant protein; myosin, heavy polypeptide 14; non-muscle myosin heavy chain IIc; nonmuscle myosin heavy chain II-C; myosin heavy chain, non-muscle IIc; DFNA4; PNMHH; myosin; FP17425; NMHC II-C; NMHC-II-C; FLJ43092; DKFZp667A1311;
Gene ID	79784
mRNA Refseq	NM_001077186
Protein Refseq	NP_001070654
MIM	608568
UniProt ID	Q7Z406

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