

Recombinant Human MYF6 protein, GST-tagged

Cat. No. MYF6-6743H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYF6 protein(1-242 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-242 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). 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 100 mM reduced glutathione (GSH).
AASequence	MMMDLFETGSYFFYLDGENVTLQPLEVAEGSPLYPGSDGTLSPCQDQMPPEAGSD SSGEEHVLAPPGLQPPHCPGQCLIWACKTCKRKSAPTDRRKAATLRERRRLKKINE AFEALKRRTVANPNQRLPKVEILRSAISYIERLQDLLHRLDQQEKMQELGVDPFSYRP KQENLEGADFLRTCSSQWPSVSDHSRGLVITAKEGGASIDSSASSSLRCLSSIVDSIS SEERKLPCVEEVVEK
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

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/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 MYF6 myogenic factor 6 (herculin) [Homo sapiens]

Official Symbol MYF6

Synonyms MYF6; myogenic factor 6 (herculin); myogenic factor 6; bHLHc4; MRF4; muscle-specific regulatory factor 4; class C basic helix-loop-helix protein 4; CNM3; myf-6;

Gene ID 4618

mRNA Refseq NM_002469

Protein Refseq NP_002460

MIM 159991

UniProt ID P23409

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SDS-PAGE

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