

Recombinant Human MYH11, His-tagged

Cat. No. MYH11-1132H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYH11 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1215-1323aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	MYH11 myosin, heavy chain 11, smooth muscle [Homo sapiens]
Official Symbol	MYH11
Synonyms	MYH11; myosin, heavy chain 11, smooth muscle; myosin, heavy polypeptide 11, smooth muscle; myosin-11; SMHC; SMMHC; myosin heavy chain 11; myosin heavy chain, smooth muscle isoform; AAT4; FAA4; FLJ35232; MGC32963; MGC126726; DKFZp686D10126; DKFZp686D19237;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene ID	4629
mRNA Refseq	NM_001040113
Protein Refseq	NP_001035202
MIM	160745
UniProt ID	P35749
Chromosome Location	16p13.11
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Muscle contraction, organism-specific biosystem; Sema4D in semaphorin signaling, organism-specific biosystem; Sema4D induced cell migration and growth-cone collapse, organism-specific biosystem; Semaphorin interactions, organism-specific biosystem; Smooth Muscle Contraction, organism-specific biosystem;
Function	ATP binding; actin binding; calmodulin binding; motor activity; nucleotide binding; structural constituent of muscle;

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