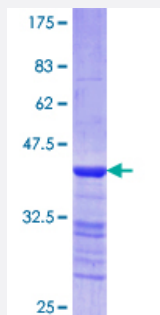


MYH3 (Human) Recombinant Protein (Q01)

Catalog # H00004621-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MYH3 partial ORF (NP_002461.1, 2 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SSDTEMEVFGIAAPFLRKSEKERIEAQNQPFDKTYCFVVDKSKEEYAKGKIKSSQDGKVTVETED NRTL VVKPEDVYAMNPPKFDRIEDMAMLTHLNEP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (97); Rat (99)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MYH3

Entrez GeneID [4621](#)

GeneBank Accession# [NM_002470](#)

Protein Accession# [NP_002461.1](#)

Gene Name MYH3

Gene Alias HEMHC, MYHC-EMB, MYHSE1, SMHCE

Gene Description myosin, heavy chain 3, skeletal muscle, embryonic

Omim ID [160720](#) [193700](#) [601680](#)

Gene Ontology [Hyperlink](#)

Gene Summary Myosin is a major contractile protein which converts chemical energy into mechanical energy through the hydrolysis of ATP. Myosin is a hexameric protein composed of a pair of myosin heavy chains (MYH) and two pairs of nonidentical light chains. This gene is a member of the MYH family and encodes a protein with an IQ domain and a myosin head-like domain. Mutations in this gene have been associated with two congenital contracture (arthrogryposis) syndromes, Freeman-Sheldon syndrome and Sheldon-Hall syndrome. [provided by RefSeq]

Other Designations muscle embryonic myosin heavy chain 3|myosin, heavy polypeptide 3, skeletal muscle, embryonic|myosin, skeletal, heavy chain, embryonic 1

Pathway

- [Tight junction](#)

Disease

- [Arthrogryposis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Clubfoot](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)