

## Product datasheet for **AR50052PU-S**

### MYL5 (1-173, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	MYL5 (1-173, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHTMASRKT KKKEGGALRA QRASSNVFSN FEQTQIQEFK EAFTLMDQNR DGFIDKEDLK DTYASLGKTN VKDDELDAML KEASGPINFT MFLNLFGEKL SGTDAEETIL NAFKMLDPDG KGKINKEYIK RLLMSQADKM TAEVDQMFQ FASIDVAGNL DYKALSYVIT HGEEKEE
Tag:	His-tag
Predicted MW:	22.1 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT, 0.1 mM PMSF
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MYL5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_002468</a>
Locus ID:	4636
UniProt ID:	<a href="#">Q02045</a>
Cytogenetics:	4p16.3
Synonyms:	MYLC2



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**Summary:**

This gene encodes one of the myosin light chains, a component of the hexameric ATPase cellular motor protein myosin. Myosin is composed of two heavy chains, two nonphosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. This gene product, one of the regulatory light chains, is expressed in fetal muscle and in adult retina, cerebellum, and basal ganglia. [provided by RefSeq, Jul 2008]

**Protein Pathways:**

Focal adhesion, Leukocyte transendothelial migration, Regulation of actin cytoskeleton, Tight junction

**Product images:**