

## Product datasheet for AR50052PU-N

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

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** MYL5 (1-173, His-tag) human recombinant protein, 0.25 mg

Species: Human
Expression Host: E. coli

**Expression cDNA Clone** 

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSHMASRKT KKKEGGALRA QRASSNVFSN FEQTQIQEFK EAFTLMDQNR DGFIDKEDLK DTYASLGKTN VKDDELDAML KEASGPINFT MFLNLFGEKL

SGTDAEETIL NAFKMLDPDG KGKINKEYIK RLLMSQADKM TAEEVDQMFQ 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:** NP 002468

**Locus ID:** 4636

UniProt ID: Q02045

Cytogenetics: 4p16.3

Synonyms: MYLC2





**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

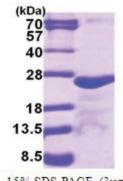
nonphosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. This gene product, one of the regulatory light chains, is expressed in fetal muscle and in adult

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:**



15% SDS-PAGE (3ug)