Recombinant human TPM2 protein

Catalog Number: ATGP0873

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-284aa

UniProt No.
P07951

NCBI Accession No.
NP_998839.1

Alternative Names
Tropomyosin beta chain isoform 2, AMCD1, DA1, DA2B, NEM4, TMSB

PRODUCT SPECIFICATION

Molecular Weight
35.1 kDa (304aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration
0.25mg/ml (determined by BCA assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol, 100mM NaCl

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
Tropomyosin beta chain isoform 2, also known as TPM2, is a member of the actin filament binding protein family which mainly expressed in slow, type 1 muscle fibers. Mutations in this gene can alter the expression of other sarcomeric tropomyosin proteins, and cause cap disease, nemaline myopathy and distal arthrogryposis syndromes. Recombinant human TPM2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

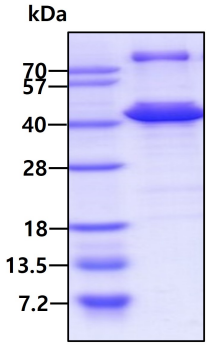
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General References

Hunt CC., et al. (1995) Cytogenet Cell Genet. 71(1):94-5.
Tiso N., et al. (1997) Biochem Biophys Res Commun. 13(2):347-50.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.