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Recombinant human HSP20/HSPB6 protein

Catalog Number: ATGP3008

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-160aa

UniProt No.

014558

NCBI Accession No.

NP 653218

Alternative Names

Heat shock protein family B (small) member 6, Heat shock protein beta-6, Heat shock 20 kDa-like protein p20, HEL55, Hsp20, PPP1R91

PRODUCT SPECIFICATION

Molecular Weight

19.7 kDa (184aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 30% glycerol, 1mM DTT, 1mM EDTA, 0.1mM PMSF

Purity

> 95% 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

HSPB6 also known as Heat shock prtein beta-6. This locus encodes a heat shock protein. This protein likely plays a role in smooth muscle relaxation. Recombinant human HSPB6, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHMEIPVP VOPSWLRRAS APLPGLSAPG RLFDORFGEG LLEAELAALC PTTLAPYYLR



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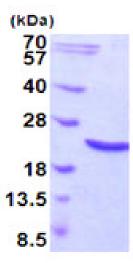
APSVALPVAQ VPTDPGHFSV LLDVKHFSPE EIAVKVVGEH VEVHARHEER PDEHGFVARE FHRRYRLPPG VDPAAVTSAL SPEGVLSIQA APASAQAPPP AAAK

General References

Sluchanko NN., et al. (2012) Biochemistry 51 (31), 6127-6138.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)