

Recombinant human SHFM1 protein

Catalog Number: ATGP2440

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-70aa

UniProt No.

P60896

NCBI Accession No.

NP_006295

Alternative Names

26S proteasome complex subunit DSS1, DSS1, ECD, SEM1, SHFD1, Shfdg1, SHSF1

PRODUCT SPECIFICATION

Molecular Weight

10.7 kDa (93aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl

Purity

> 85% 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

SHFM1, as known as 26S proteasome complex subunit DSS1, has been proposed to be a candidate gene for the autosomal dominant form of the heterogeneous limb developmental disorder split hand/split foot malformation type 1. In addition, it has been shown to directly interact with BRCA2. It also may play a role in the completion of the cell cycle. Recombinant human SHFM1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMSEKKQP VDLGLLEEDD EFEFPAEDW AGLDEDEDAH VWEDNWDDDN
VEDDFSQRLR AELEKHGYKM ETS

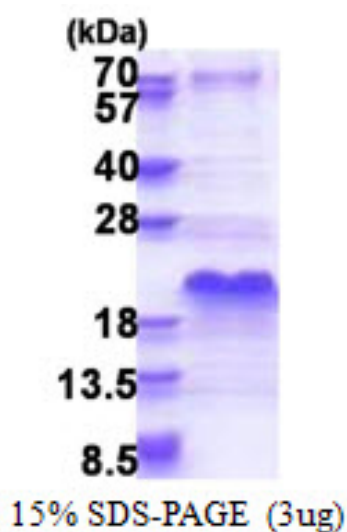
General References

Bonache S. et al. (2013) J Cancer Res Clin Oncol. 139:529-32

Ma YY. et al. (2013) Carcinogenesis. 34:68-78.

DATA

SDS-PAGE



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