PRODUCT INFORMATION

Expression system E.coli

Domain 1-102aa

UniProt No. Q5VXD3

NCBI Accession No. NP_001128136

Alternative Names Sterile alpha motif domain containing 13, RP11-376N17.1, HSD-42, HSD42

PRODUCT SPECIFICATION

Molecular Weight 13.8 kDa (125aa) confirmed by MALDI-TOF

Concentration 0.5mg/ml (determined by Bradford assay)

Formulation Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 1mM DTT

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

SAMD13 is a putative protein interaction module present in a wide variety of proteins involved in many biological processes. SAMD13 contains 1 SAM (sterile alpha motif) domain. The SAM domain that spreads over around 70 residues is found in diverse eukaryotic organisms. SAM domains have been shown to homo- and heterooligomerise, forming multiple self-association architectures and also binding to various non-SAM domaincontaining proteins, nevertheless with a low affinity constant. Recombinant human SAMD13 protein, fused to Histag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



Amino acid Sequence

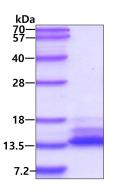
<MGSSHHHHHH SSGLVPRGSH MGS>MLSVDME NKENGSVGVK NSMENGRPPD PADWAVMDVV NYFRTVGFEE QASAFQEQEI DGKSLLLMTR NDVLTGLQLK LGPALKIYEY HVKPLQTKHL KNNSS

General References

Pawson T., et al. (1999) Nat. Struct. Biol. 1:44-49 Simon J., et al. (1997) Mol. Cell. Biol. 11:6683-6692

DATA

SDS-PAGE



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