

# Recombinant human SAMD13 protein

Catalog Number: ATGP1909

## PRODUCT INFORMATION

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### 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

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### 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

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### 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 hetero-oligomerise, forming multiple self-association architectures and also binding to various non-SAM domain-containing proteins, nevertheless with a low affinity constant. Recombinant human SAMD13 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH MGS>MLSVDME NKENGSVGK NSMENGRPPD PADWAVMDVV NYFRTVGFEE  
QASAFQEQEI DGKSLLLMTR NDVLTGLQLK LGPALKIY EY HVKPLQTKHL KNNSS

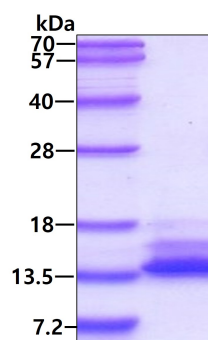
## General References

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

## DATA

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### SDS-PAGE



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