Recombinant human WFDC12 protein

Catalog Number: ATGP2505

PRODUCT INFORMATION

Expression system
E.coli

Domain
24-111aa

UniProt No.
Q8WWY7

NCBI Accession No.
NP_543145

Alternative Names
WAP four-disulfide core domain protein 12 precursor, C20orf122, dJ211D12.4, SWAM2, WAP2

PRODUCT SPECIFICATION

Molecular Weight
12.1 kDa (111aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 1mM DTT

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
WFDC12 is a member of the WAP-type four-disulfide core (WFDC) domain family. The WFDC domain, or WAP signature motif, contains eight cysteines forming four disulfide bonds at the core of the protein, and functions as a protease inhibitor. Recombinant human WFDC12 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence
MGSSHHHHHH SSGLVPRGSH MGSVKEGIEK AGVCPADNVR CFKSDPPQCH TDQDCLGERK CCYLHCGFKC VIPVKELEEG

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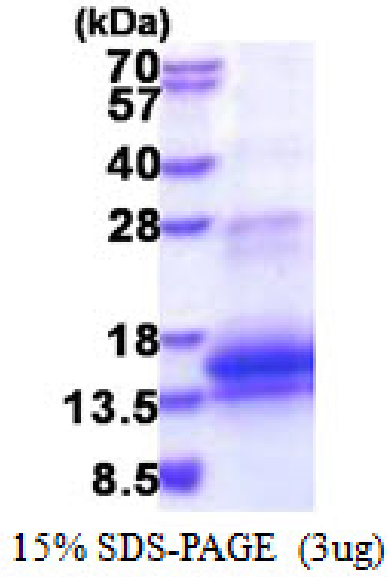
GNKDEDVSRP YPEPGWEAKC PGSSSTRCPQ K

General References

Lin YY. et al. (2012) Nature. 482:251-255
Clauss A. et al. (2005) Biochem Biophys Res Commun. 333:383-389.

DATA

SDS-PAGE



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