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AR51325PU-S Human WFDC12 / WAP2 (24-111, His-tag) - Purified

Alternate names: C20orf122, Putative protease inhibitor WAP12, UNQ544/PRO844, WAP four-disulfide core domain protein 12, Whey acidic protein 2

Quantity: 0.1 mg

Concentration: 1.0 mg/ml (determined by Bradford assay)

Background: 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.

Uniprot ID: Q8WWY7

NCBI: NP_543145

GeneID: 128488

Species: Human

Source: E. coli

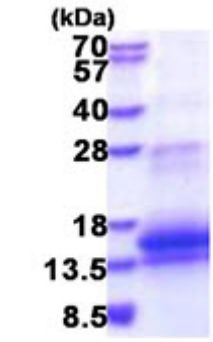
Format:
State: Liquid purified protein
Purity: >85% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol 1mM DTT

Description: Recombinant human WFDC12 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSVKEGIEK AGVCPADNVR CFKSDPPQCH TDQDCLGERK CCYLHCGFKC VIPVKELEEG GNKDEDVSRP YPEPGWEAKC PGSSSTRCPQ K
Molecular weight: 12.1 kDa (111aa) confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

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

Pictures:



15% SDS-PAGE (3ug)