

## Recombinant Human WFDC12, His-tagged

**Cat. No.** WFDC12-5009H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human WFDC12 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 1mM DTT
<b>Molecular Mass</b>	12.1 kDa(111aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSVKEGIEK AGVCPADNVR CFKSDPPQCH TDQDCLGERK CCYLHCGFKC VIPVKELEEG GNKDEDVSRP YPEPGWEAKC PGSSSTRCPQ K
<b>Purity</b>	>85% by SDS - PAGE
<b>Applications</b>	SDS-PAGE
<b>Storage</b>	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

cycles.

**Concentration** 1 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [WFDC12 WAP four-disulfide core domain 12 \[ Homo sapiens \]](#)

**Official Symbol** WFDC12

**Synonyms** WFDC12; WAP four-disulfide core domain 12; C20orf122, chromosome 20 open reading frame 122; WAP four-disulfide core domain protein 12; dJ211D12.4; WAP2; whey acidic protein 2; protease inhibitor WAP2; single WAP motif protein 2; putative protease inhibitor WAP12; SWAM2; C20orf122;

**Gene ID** [128488](#)

**mRNA Refseq** [NM\\_080869](#)

**Protein Refseq** [NP\\_543145](#)

**MIM** [609872](#)

**UniProt ID** [Q8WWY7](#)

**Chromosome Location** 20q12-q13.1

**Function** peptidase inhibitor activity; serine-type endopeptidase inhibitor activity;

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