

## Product datasheet for PH306450

### WFDC1 (NM\_021197) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	WFDC1 MS Standard C13 and N15-labeled recombinant protein (NP_067020)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206450
Predicted MW:	20.6 kDa
Protein Sequence:	>RC206450 representing NM_021197 Red=Cloning site Green=Tags(s)  MPLTGVGPGSCRRQIIRALCLLLLLHAGSAKNIWKRALPARLAEKSRAEEAGAPGGPRQPRADRCPPPP RTLPPGACQAARCQADSECPRHRRCCYNGCAYACLEAVPPPPVLDWLVPKPRWLGNGWLLDGPEEVLQ AEACSTTDEGAPELLCPSGYECHILSPGDVAEGIPNRGQCVKQRRQADGRILRHKLYKEYPEGDSKNVAE PGRGQKHFQ  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_067020</a>
RefSeq Size:	1396
RefSeq ORF:	660
Synonyms:	PS20
Locus ID:	58189
UniProt ID:	<a href="#">Q9HC57</a>



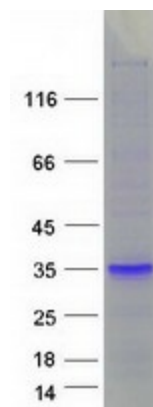
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**Cytogenetics:** 16q24.1

**Summary:** This gene encodes a member of the WAP-type four disulfide core domain family. The WAP-type four-disulfide core domain contains eight cysteines forming four disulfide bonds at the core of the protein, and functions as a protease inhibitor in many family members. This gene is mapped to chromosome 16q24, an area of frequent loss of heterozygosity in cancers, including prostate, breast and hepatocellular cancers and Wilms' tumor. This gene is downregulated in many cancer types and may be involved in the inhibition of cell proliferation. The encoded protein may also play a role in the susceptibility of certain CD4 memory T cells to human immunodeficiency virus infection. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

**Protein Families:** Secreted Protein

**Product images:**



Coomassie blue staining of purified WFDC1 protein (Cat# [TP306450]). The protein was produced from HEK293T cells transfected with WFDC1 cDNA clone (Cat# [RC206450]) using MegaTran 2.0 (Cat# [TT210002]).