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Product datasheet for PH308491

HE4 (WFDC2) (NM_006103) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	WFDC2 MS Standard C13 and N15-labeled recombinant protein (NP_006094)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208491
Predicted MW:	13 kDa
Protein Sequence:	>RC208491 protein sequence Red=Cloning site Green=Tags(s) MPACRLGPLAAALLLSLLLFGFTLVSGTGAEKTGVCPELQADQNCTQECVSDSECADNLKCCSAGCATFC SLPNDKEGSCPQVNINFPQLGLCRDQCQVDSQCPGQMKCCRNGCGKVSCVTPNF TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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:	NP_006094
RefSeq Size:	570
RefSeq ORF:	372
Synonyms:	dJ461P17.6; EDDM4; HE4; WAP5
Locus ID:	10406
UniProt ID:	Q14508, A0A384MTN6
Cytogenetics:	20q13.12

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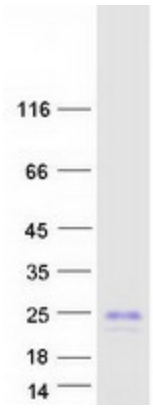
Summary: This gene encodes a protein that is a member of the WFDC domain family. The WFDC domain, or WAP Signature motif, contains eight cysteines forming four disulfide bonds at the core of the protein, and functions as a protease inhibitor in many family members. This gene is expressed in pulmonary epithelial cells, and was also found to be expressed in some ovarian cancers. The encoded protein is a small secretory protein, which may be involved in sperm maturation. [provided by RefSeq, Jul 2008]

Protein Families: Secreted Protein, Transmembrane

Product images:



Coomassie blue staining of purified WFDC2 protein (Cat# [TP308491]). The protein was produced from HEK293T cells transfected with WFDC2 cDNA clone (Cat# [RC208491]) using MegaTran 2.0 (Cat# [TT210002]).