

Product datasheet for PH305256

WIF1 (NM_007191) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	WIF1 MS Standard C13 and N15-labeled recombinant protein (NP_009122)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205256
Predicted MW:	41.5 kDa
Protein Sequence:	>RC205256 protein sequence Red=Cloning site Green=Tags(s)
	MARRSAFPAAALWLSILLCLLALRAEAGPPQEESLYLWIDAHQARVLIGFEEDILIVSEGKMAPFTHDF RKAQQRMPAIPVNIHSMNFTWQAAGQAEYFYEFLSLRSLDKGIMADPTVNVPLLGTVPHKASVVQVGFPC LGKQDGVAAFEVDVIVMNSEGNTILKTPQNAIFFKTCQQAECPPGGCRNGGFCNERRICECPDGFHGHPC KALCTPRCMNGGLCVTPGFCICPPGFYGVNCDKANCSTTCFNGGTCFYPGKICPPGLEGEQCEISKCPQ PCRNGGKCI GSKCKCSKGYQGDLCSKPVCEPGCGAHGTCHPENKQCQEGWHGRHCNKRYEASLIHALR PAGAQLRQHTPSLKKAEEERRDPPESNYIW
	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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_009122
RefSeq Size:	2240
RefSeq ORF:	1137
Synonyms:	WIF-1
Locus ID:	11197



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UniProt ID: [Q9Y5W5](#)

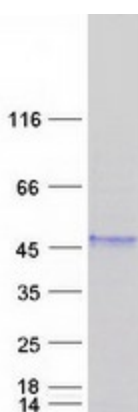
Cytogenetics: 12q14.3

Summary: The protein encoded by this gene functions to inhibit WNT proteins, which are extracellular signaling molecules that play a role in embryonic development. This protein contains a WNT inhibitory factor (WIF) domain and five epidermal growth factor (EGF)-like domains, and is thought to be involved in mesoderm segmentation. This gene functions as a tumor suppressor gene, and has been found to be epigenetically silenced in various cancers. [provided by RefSeq, Jun 2010]

Protein Families: Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Stem cell relevant signaling - Wnt Signaling pathway

Protein Pathways: Wnt signaling pathway

Product images:



Coomassie blue staining of purified WIF1 protein (Cat# [TP305256]). The protein was produced from HEK293T cells transfected with WIF1 cDNA clone (Cat# [RC205256]) using MegaTran 2.0 (Cat# [TT210002]).