

## Recombinant Human WIF1 Protein, His-tagged

Cat. No. WIF1-163H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human WIF1 fused with His tag at C-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Form</b>	Lyophilized from a 0.2 M filtered solution of 10mM HAc-NaAc, 150mM NaCl, 0.5% CHAPS, pH 4.0
<b>Molecular Mass</b>	39.47kD
<b>AA Sequence</b>	GPPQEESLYLWIDAHQARVLIGFEEDILIVSEGKMAPFTHDFRKAQQRMPAIPVNIHS MNFTWQAAGQAEYFYEFSLRSLDKGIMADPTVNVPLLGTVPHKASVVQVGFPCLG KQDGVAAFEVDVIVMNSEGNTILKTPQNAIFFKTCQQAECPPGGCRNNGGFCNERRIC ECPDGFHGHPCHEKALCTPRCMNGGLCVTPGFICPPGFYGVNCDKANCSTTCFNG GTCFYPGKCICPPGLEGEQCEISKCPQPCRNGGKICIGKSKCKCSKGYQGDLCSPV CEPGCGAHGTCHPNKCQCQEGWHGRHCNKRYEASLIHALRPAGAQLRQHTPSL

 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

KKAEERRDPPESNYIWVDHHHHHH

**Endotoxin** Endotoxin level is <0.1 ng/g of protein (<1EU/g).

**Purity** >95% as determined by SDS-PAGE and Coomassie blue staining

**Concentration** Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## GENE INFORMATION

**Gene Name** [WIF1 WNT inhibitory factor 1 \[ Homo sapiens \]](#)

**Official Symbol** [WIF1](#)

**Synonyms** WIF1; WNT inhibitory factor 1; wnt inhibitory factor 1; WIF-1;

**Gene ID** [11197](#)

**mRNA Refseq** [NM\\_007191](#)

**Protein Refseq** [NP\\_009122](#)

**MIM** [605186](#)

**UniProt ID** [Q9Y5W5](#)

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