

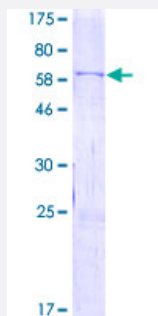
Full-Length

WIF1 (Human) Recombinant Protein (P01)

Catalog # H00011197-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human WIF1 full-length ORF (AAH18037, 1 a.a. - 379 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MARRSAFPAAALWLWSILLCLLALRAEAGPPQEESLYLWIDAHQARVLIGFEEDILVSEGKMAPFT
HDFRKAQQRMPAIPVNIHSMNFTWQAAGQAEYFYFLSLRSLDKGIMADPTVNVPLLGTVPKAS
VVQVGFPCLGKQDGVAAFEVDVVMNSEGNTILKTPQNAIFFKTCQQAECPPGGCRNGGFCNERRI
CECPDGFHGPHEKALCTPRCMNGGLCVTPGFICPPGFYGVNCDKANCSTTCFNGGTCFYPG
KCICPPGLEGEQCEISKCPQPCRNGGKCIGKSKCKCSKGYQGDLCSKPVCEPGCGAHGTCHEP
NKCQCQEGWHGRHCNKRYEASLIHALRPAGAQLRQHTPSLKKAEERRDPPESNYW

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

67.43

Interspecies Antigen Sequence

Mouse (93); Rat (88)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — WIF1

Entrez GeneID[11197](#)**GeneBank Accession#**[BC018037](#)**Protein Accession#**[AAH18037](#)**Gene Name**

WIF1

Gene Alias

WIF-1

Gene Description

WNT inhibitory factor 1

Omim ID[605186](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

WNT proteins are extracellular signaling molecules involved in the control of embryonic development. This gene encodes a secreted protein, which binds WNT proteins and inhibits their activities. This protein contains a WNT inhibitory factor (WIF) domain and 5 epidermal growth factor (EGF)-like domains. It may be involved in mesoderm segmentation. This protein is found to be present in fish, amphibia and mammals. [provided by RefSeq]

Other Designations

-

Publication Reference

- [Wnt inhibitory factor 1 is epigenetically silenced in human osteosarcoma, and targeted disruption accelerates osteosarcomagenesis in mice.](#)

Kansara M, Tsang M, Kodjabachian L, Sims NA, Trivett MK, Ehrich M, Dobrovic A, Slavin J, Choong PF, Simmons PJ, Dawid IB, Thomas DM.

The Journal of Clinical Investigation 2009 Apr; 119(4):837.

Application: Func, Human, B143, NHB cells

Pathway

- [Wnt signaling pathway](#)

Disease

- [Asthma](#)
- [Dominance](#)
- [Schizophrenia](#)