

**Wif-1, 29-379aa, Human, His-tagged, Recombinant, Hi-5 cell**

**Cat.NO.: TP04499**

3th Edition

**Synonyms:**Wnt inhibitory factor 1, WIF1, Wnt inhibitory factor 1

**Description:**Wnt inhibitory factor 1, also known as Wif-1, is a secreted protein that binds to Wnt proteins involved in the embryonic development and cancer, and inhibits their activity. Wif-1 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. Recombinant human Wif-1 protein, fused to His-tag at C-terminus, was expressed in Hi-5 cell using baculovirus expression system and purified by using conventional chromatography.

**Form:**Liquid. In Phosphate Buffered Saline (pH 7.4) containing 20% glycerol, 0.1mM PMSF, 1mM DTT

**Molecular Weight:**39.5 kDa (360 aa) 40-57 KDa (SDS-PAGE under reducing conditions.)

**Sequences:**

ADLGPPQEESLYLWIDAHQARVLIGFEEDILIVSEGKMAPFTHDFRKAQQRMPAIPVNIHSMNFTWQAAGQAEYFYE  
FLSLRSLDKGIMADPTVNVPLLGTVPHKASVVQVGFPCLGKQDGVAAFEVDVIVMNSEGNLILQTPQNAIFFKTCQQ  
AECPPGGCRNGGFCNERRICECPDGFHGHCEKALCTPRCMNGGLCVTPGFICPPGFYGVNCDKANCSTTCFNG  
GTCFYPGKICPPGLEGEQCEISKCPQPCRNGGKICIGKSKCKCSKGYQGDLCSPVCEPGCGAHGTCHEPNKCQ  
CQEGWHGRHCNKRYEASLIHALRPAGAQLRQHTPSLKKAERRDPPESNYIWHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.20mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.