
Wnt inhibitory factor 1, 29-379aa, Mouse, His tag, Insect cell

Cat.NO.: TP04501

3th Edition

Synonyms:Wif-1, WIF-1, AW107799

Description:WIF1, also known as wnt inhibitory factor 1, is a secreted protein that binds to Wnt proteins and inhibits their activities. This protein signaling plays a pivotal role in skeletal development and in the control of cartilage and bone turnover. Also, WIF1 is present in fish, amphibia and mammals, and is expressed during Xenopus and zebrafish development in a complex pattern that includes paraxial presomitic mesoderm, notochord, branchial arches and neural crest derivatives. Recombinant mouse WIF1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM MES (pH5.5) containing 1mM DTT, 1mM PMSF, 30% glycerol.

Molecular Weight:39.4kDa (359aa) 40-57KDa (SDS-PAGE under reducing conditions.)

Sequences:

GQPPEESLYLWIDAHQARVLIGFEEDILIVSEGKMAPFTHDFRKAQQRMPAIPVNIHSMNFTWQAAGQAEYFYEFLS
LRSLDKGIMADPTVNVPLLGTVPHKASVVQVGFPCLGKQDGVAAFEVNVIVMNSEGNTILRTPQNAIFFKTCQQAEC
PGGCRNGGFCNERRVCEPDGFGPHCEKALCIPRCMNGGLCVTPGFCICPPGFYGVNCDKANCSTTCFNGGTC
FYPGKICPPGLEGEQCELSKCPQPCRNGGKCIKSKCKCPKGYQGDLCSPVCEPGCGAHGTCHPNKCQCRE
GWHGRHCNKRYGASLMHAPRPAGAGLERHTPSLKAEDRRDPPESNYIWVEHHHHH

Purity:> 95% by HPLC

Concentration:1.0mg/ml (determined by Absorbance at 280nm)

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.