Recombinant Mouse Wif1 Protein, His-tagged

Cat. No. Wif1-372M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse WIF1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
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.
Form	Liquid. In 20mM MES (pH5.5) containing 1mM DTT, 1mM PMSF, 30% glycerol.
Molecular Mass	39.4kDa (359aa)40-57KDa (SDS-PAGE under reducing conditions.)
AA Sequence	GQPPEESLYL WIDAHQARVL IGFEEDILIV SEGKMAPFTH DFRKAQQRMP AIPVNIHSMN FTWQAAGQAE YFYEFLSLRS LDKGIMADPT VNVPLLGTVP HKASVVQVGF PCLGKQDGVA AFEVNVIVMN SEGNTILRTP QNAIFFKTCQ QAECPGGCRN GGFCNERRVC ECPDGFYGPHCEKALCIPRC MNGGLCVTPG FCICPPGFYG VNCDKANCST TCFNGGTCFY PGKCICPPGL EGEQCELSKC PQPCRNGGKC IGKSKCKCPK GYQGDLCSKP VCEPGCGAHG TCHEPNKCQC REGWHGRHCN KRYGASLMHA PRPAGAGLER HTPSLKKAED RRDPPESNYI

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Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1.0mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name	Wif1 Wnt inhibitory factor 1 [Mus musculus]
Official Symbol	Wif1
Synonyms	WIF1; Wnt inhibitory factor 1; wnt inhibitory factor 1; WIF-1; AW107799;
Gene ID	24117
mRNA Refseq	NM_011915
Protein Refseq	NP_036045
MIM	
UniProt ID	
Pathway	Wnt signaling pathway, organism-specific biosystem; Wnt signaling pathway, conserved biosystem;

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Function	Wnt-protein binding;

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