

AR51972PU-N**Mouse WIF1 (29-379, His-tag) - Purified****Alternate names:**

UNQ191/PRO217, WIF-1, Wnt inhibitory factor 1

Quantity:

0.25 mg

Concentration:

1.0 mg/ml (determined by absorbance at 280nm)

Background:

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.

Uniprot ID:[Q9WUA1](#)**NCBI:**[NP_036045](#)**GeneID:**[24117](#)**Species:**

Mouse

Source:

Insect cells

Format:**State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM MES (pH5.5) containing 1mM DTT, 1mM PMSF, 30% glycerol.**Endotoxin Level:** < 1.0 EU per 1 microgram of protein (determined by LAL method)**Description:****AA Sequence:**

GQPPEESLYL WIDAHQARVL IGFEEDILIV SEGKMAPFTH DFRKAQQRMP AIPVNIHSMN
FTWQAAGQAE YFYEFSLRS LDKGIMADPT VNVPLLGTVP HKASVVQVGF PCLGKQDQVA
AFEVNVIVMN SEGNTILRTP QNAIFFKTCQ QAECPPGGCRN GGFCNERRVC ECPDGFYGFPH
CEKALCIPRC MNGGLCVTPG FCICPPGFYV VNC DKANCST TCFNGGTCFY PGKICPPGL
EGEQCELSKC PQPCRNGGKC IGKSKCKCPK GYQGDLCCKP VCEPGCGAHG TCHEPNKCQC
REGWHGRHCN KRYGASLMHA PRPAGAGLER HTPSLKKAED RRDPPESNYI VVEHHHHHHH

Molecular weight: 39.4 kDa (359aa)**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Park JH., et al. (2014) Dev. Biol. 386(1):227-236. Stock M., et al. (2013) Arthritis Rheum. 65(9):2310-2322.

Pictures:

