



Recombinant Protein Technical Manual
Recombinant Mouse Wnt Inhibitory Factor 1/WIF1
Protein (His Tag)
RPES1192

Product Data:

Product SKU: RPES1192

Size: 50µg

Species: Mouse

Expression host: HEK293 Cells

Uniprot: Q9WUA1

Protein Information:

Molecular Mass: 39.8 kDa

AP Molecular Mass: 44 kDa

Tag: C-His

Bio-activity:

Purity: > 93 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: AW107799;WIF

Immunogen Information:

Sequence: Met1-Trp379

Background:

WIF1, also known as WIF and wnt inhibitory factor 1, is a secreted protein which binds WNT proteins and inhibits their activities. It contains a WNT inhibitory factor (WIF) domain and 5 epidermal growth factor (EGF)-like domains. WNT proteins are extracellular signaling molecules involved in the control of embryonic development. WIF1 may be involved in mesoderm segmentation and can be detected in fish, amphibia and mammals. WIF is a recurrent target in human salivary gland oncogenesis. Downregulation of WIF1 takes part in the development and progression of pleomorphic adenomas. WIF1 also is a tumor suppressor, and has been found to be epigenetically silenced in various cancers, specifically in nonfunctioning pituitary tumors. WIF1 are expected to have molecular function (protein tyrosine kinase activity) and to localize in various compartments (extracellular space, extracellular region).