



Recombinant Protein Technical Manual

**Recombinant Human Wnt Inhibitory Factor 1/WIF1
Protein (His Tag)
RPES2770**

Product Data:

Product SKU: RPES2770

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9Y5W5

Protein Information:

Molecular Mass: 39.5 kDa

AP Molecular Mass: 45 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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 a 0.2 µm filtered solution of 10mM HAc-NaAc, 150mM NaCl, 0.5% CHAPS, pH 4.0.

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

Application:

Synonyms: Wnt Inhibitory Factor 1; WIF; WIF1

Immunogen Information:

Sequence: Gly29-Trp379

Background:

Wnt Inhibitory Factor 1 (WIF1) is a secreted protein, which binds WNT proteins and inhibits their activities. WNT proteins are extracellular signaling molecules involved in the control of embryonic development. WIF1 contains a WNT inhibitory factor (WIF) domain and 5 epidermal growth factor (EGF)-like domains. is found to be present in fish, amphibia and mammals. WIF1 is a recurrent target in human salivary gland oncogenesis. WIF1 may be involved in mesoderm segmentation. WIF1 is a tumor suppressor, specifically in nonfunctioning pituitary tumors.