



Recombinant Protein Technical Manual

Recombinant Mouse Frizzled 2/FZD2 Protein (Fc Tag)
RPES0846

Product Data:

Product SKU: RPES0846

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: Q9JIP6

Protein Information:

Molecular Mass: 42.9 kDa

AP Molecular Mass: 55-60 kDa

Tag: C-Fc

Bio-activity:

Purity: > 95 % as determined by 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 PBS, pH7.4.

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

Application:

Synonyms: Frizzled-2; Fz-2; mFz2; Fzd2;frizzled (Drosophila) homolog 2

Immunogen Information:

Sequence: Gln29-Leu168

Background:

Wnt signaling plays a critical role in embryonic development, and genetic aberrations. Frizzled2 (Fzd2) is a receptor for wingless-type MMTV integration site family members (Wnts), the aberrant overexpression of which has been noted to contribute to cancer metastasis. Frizzled2 (Fzd2) and its ligands Wnt5a/b are elevated in metastatic liver, lung, colon, and breast cancer cell lines and in high-grade tumors and that their expression correlates with markers of epithelial-mesenchymal transition (EMT). It is also shown that Frizzled-2 expression is greater in embryonic than adult tissues, with heart, brain, lung, kidney and gut showing the highest levels.