

Recombinant Mouse Frizzled 2/FZD2 Protein (Fc Tag)

Catalog Number:PKSM041028



Note: Centrifuge before opening to ensure complete recovery of vial contents.

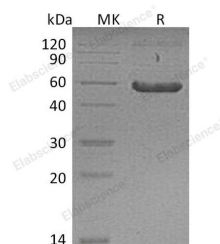
Description

| | |
|------------------------------------|-----------------------------------------------------------|
| Synonyms | Frizzled-2;Fz-2;mFz2;Fzd2;frizzled (Drosophila) homolog 2 |
| Species | Mouse |
| Expression Host | HEK293 Cells |
| Sequence | Gln29-Leu168 |
| Accession | Q9JIP6 |
| Calculated Molecular Weight | 42.9 kDa |
| Observed molecular weight | 55-60 kDa |
| Tag | C-Fc |

Properties

| | |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Storage | Generally, 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, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| Reconstitution | Please refer to the printed manual for detailed information. |

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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