

## Recombinant Mouse Frizzled Homolog 4 (Drosophila)

**Cat. No.** Fzd4-1740M    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

|                         |                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | Frizzled-4 (FZD4) is a Frizzled Receptor involved in mediating Wnt signaling that is widely expressed, particularly in heart, skeletal muscle, ovary, and fetal kidney. FZD4 functions as a ligand-receptor pair to control vascular development in the retina and inner ear. Fz4 expression may play a critical role in responses to Wnt signaling in the tumor microenvironment. |
| <b>Molecular Weight</b> | The predicted molecular weight of Recombinant Mouse Frizzled-4 is Mr 43 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 55-50 kDa.                                                                                                                                                                                                            |
| <b>State Of Matter</b>  | Lyophilized.                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | >95% by SDS Page and analyzed by silver stain.                                                                                                                                                                                                                                                                                                                                     |
| <b>Formulation</b>      | This recombinant protein was 0.2 µm filtered and lyophilized from modified Dulbecco's phosphate buffered saline (1X PBS) pH 7.2 – 7.3 with no calcium, magnesium, or preservatives.                                                                                                                                                                                                |
| <b>Endotoxin</b>        | <1.0 EU/g as determined by the LAL method.                                                                                                                                                                                                                                                                                                                                         |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage And Stability**

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

**GENE INFORMATION**

|                            |                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | Fzd4 frizzled homolog 4 (Drosophila) [ Mus musculus ]                                                                                                                             |
| <b>Synonyms</b>            | Fzd4; frizzled homolog 4 (Drosophila); Fz4; frizzled 4                                                                                                                            |
| <b>Gene ID</b>             | 14366                                                                                                                                                                             |
| <b>mRNA Refseq</b>         | NM_008055                                                                                                                                                                         |
| <b>Protein Refseq</b>      | NP_032081                                                                                                                                                                         |
| <b>UniProt ID</b>          | Q61088                                                                                                                                                                            |
| <b>Chromosome Location</b> | 7 E1; 7 44.5 cM                                                                                                                                                                   |
| <b>Pathway</b>             | Basal cell carcinoma; Colorectal cancer; Melanogenesis; Pathways in cancer; Wnt signaling pathway                                                                                 |
| <b>Function</b>            | G-protein coupled receptor activity; non-G-protein coupled 7TM receptor activity; protein binding; receptor activity; signal transducer activity; transmembrane receptor activity |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA