

# Recombinant Rhesus Monkey FZD4 Protein, hlgG1-tagged

**Cat. No.** FZD4-1765R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rhesus monkey FZD4 Protein (NP_001253804 ( aa.37-222)) was expressed in human HEK293 cells with hlgG1 tag.                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Rhesus macaque                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 37-222 a.a.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Receptor for Wnt proteins. Most of frizzled receptors are coupled to the beta-catenin (CTNNB1) canonical signaling pathway, which leads to the activation of disheveled proteins, inhibition of GSK-3 kinase, nuclear accumulation of beta-catenin (CTNNB1) and activation of Wnt target genes. Plays a critical role in retinal vascularization by acting as a receptor for Wnt proteins and norrin (NDP). |
| <b>Form</b>             | PBS, pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>           | > 95 %                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Applications</b>     | ELISA; WB; Immunogen                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | -80 centigrade, Avoid freeze/thaw cycle.                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Concentration</b>    | 1 mg/mL                                                                                                                                                                                                                                                                                                                                                                                                     |

 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

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | FZD4 frizzled class receptor 4 [ Macaca mulatta (Rhesus monkey) ]                                                                                                                                                                                                                                                                                                      |
| <b>Official Symbol</b> | FZD4                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>        | FZD4; frizzled family receptor 4; EVR1; exudative vitreoretinopathy 1 ; frizzled (Drosophila) homolog 4 ; frizzled 4; seven transmembrane spanning receptor ; frizzled homolog 4 (Drosophila); frizzled-4; CD344; hFz4; frizzled homolog 4; WNT receptor frizzled-4; frizzled 4; seven transmembrane spanning receptor; EVR1; FEVR; Fz-4; FzE4; GPCR; FZD4S; MGC34390; |
| <b>Gene ID</b>         | 704754                                                                                                                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>     | NM_001266875.1                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>  | NP_001253804                                                                                                                                                                                                                                                                                                                                                           |

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