

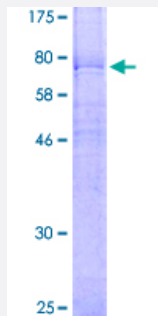
Full-Length

FZD4 (Human) Recombinant Protein (P01)

Catalog # H00008322-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human FZD4 full-length ORF (NP_036325.2, 1 a.a. - 537 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAWRGAGPSVPGAPGGVGLSLGLLLQLLLLLGPARGFGDEEERRCDPIRISM CQNLGYNVTKMP
NLVGHELQTD AELQLTFTPLIQYGCSSQLQFFLCSVYVPMCTEKINIPGCGGMCLSVKRRCEP
VLKEFGFAWPESLNC SKFPPQNDHNHMCMEGPGDEEVPLPHKTPIQPGEECHSVGTNSDQYW
VKRSLNCVLKCGYDAGLYSRSAKEFTDWMMAVWASLCFISTAFTVLTFLIDSSRFSYPERPIIFLSM
CYNYSIAYVRLTVGRERISCDFEAAEPVLIQEGLKNTGCAIIFLLMYFFGMASSMWWILTLTWFLA
AGLKWGHEAIEMHSSYFHAAWAIPAVKTVILMRLVDADEL TGLCYVGNQNLDA LTGFVVAPLFTY
LVIGTLFIAAGLVALFKIRSNLQKDGTKDKLERLMVKIGVFSVLYTVPATCVIACYFYEISNWALFRY
SADDSNMAVEMLKIFMSLLVGITSGMWIWSAKTLHTWQKCSNRLVNSGKVKREKRGNGWVKPG
KGSETVV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

86.3

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — FZD4

Entrez GeneID[8322](#)**GeneBank Accession#**[NM_012193.2](#)**Protein Accession#**[NP_036325.2](#)**Gene Name**

FZD4

Gene Alias

CD344, EVR1, FEVR, FZD4S, Fz-4, FzE4, GPCR, MGC34390

Gene Description

frizzled homolog 4 (Drosophila)

Omim ID[133780 604579](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene is a member of the frizzled gene family. Members of this family encode seven-transmembrane domain proteins that are receptors for the Wingless type MMTV integration site family of signaling proteins. Most frizzled receptors are coupled to the beta-catenin canonical signaling pathway. This protein may play a role as a positive regulator of the Wingless type MMTV integration site signaling pathway. A transcript variant retaining intronic sequence and encoding a shorter isoform has been described, however, its expression is not supported by other experimental evidence. [provided by RefSeq]

Other Designations

WNT receptor frizzled-4|exudative vitreoretinopathy 1 (autosomal dominant; Criswick-Schepens syndrome)|frizzled 4

Pathway

- [Basal cell carcinoma](#)
- [Colorectal cancer](#)
- [Melanogenesis](#)
- [Pathways in cancer](#)
- [Wnt signaling pathway](#)

Disease

- [Birth Weight](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Eye Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Retinal Diseases](#)
- [Retinopathy of Prematurity](#)
- [Vitreoretinopathy](#)