

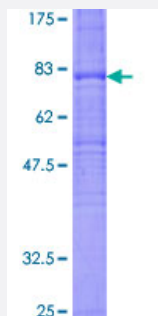
Full-Length

FZD7 (Human) Recombinant Protein (P01)

Catalog # H00008324-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human FZD7 full-length ORF (AAH15915.1, 1 a.a. - 574 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRDPGAAAPLSSLGLCALVLALLGALSAGAGAPYHGEKGISVPDHGFCQPISIPLCIDIYNTIL
PNLLGHTNQEDAGLEVHQFYPLVKVQCSPFLRFFLCSEMYAPVCTVLDQAIPPCRSRCERARQGC
EALMNKFGFQWPERLRCENFPVHGAGEICVGQNTSDGSGGPGGGPTAYPTAPYLPDLPFTALPP
GASDGRGRPAFPFSCPRQLKVPYLYGYRFLGERDCGAPCEPGRANGLMYFKEEERRFARLWV
GVWSVLCCASTLFTVLTLYLVDMMRRFSYPERPIIFLSGCYFMVAVAHVAGFLLDRAVCVERFSDD
GYRTVAQGTKKEGCTILFMVLYFFGMASWVWVILSLTWFLAAGMKWGHEAIEANSQYFHLAAWA
VPAVKTITILAMGQVDGDLSSGVCYVGLSSVDALRGFVLAPLFVYLFITGSFLLAGFVSLFRITIMK
HDGKTEKLEKLMVRIGVFSVLYTVPATIVLACYFYEQAFREHWERTWLLQTCKSYAVPCPPGHF
PPMSPDFTVFMKYLMTMVGITTFWWSGKTLQSWRRFYHRLSHSSKGETAV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

88.77

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 — FZD7

Entrez GeneID[8324](#)**GeneBank Accession#**[BC015915](#)**Protein Accession#**[AAH15915.1](#)**Gene Name**

FZD7

Gene Alias

FzE3

Gene Description

frizzled homolog 7 (Drosophila)

Omim ID[603410](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The FZD7 protein contains an N-terminal signal sequence, 10 cysteine residues typical of the cysteine-rich extracellular domain of Fz family members, 7 putative transmembrane domains, and an intracellular C-terminal tail with a PDZ domain-binding motif. FZD7 gene expression may downregulate APC function and enhance beta-catenin-mediated signals in poorly differentiated human esophageal carcinomas. [provided by RefSeq]

Other Designations

Frizzled, drosophila, homolog of, 7|frizzled 7

Pathway

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

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)
- [Tooth Abnormalities](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)