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**Product Data Sheet**


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Product Name: FZD4 Human  
 Cat. No.: GP23522  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Frizzled-4; Fz-4; hFz4; FzE4; CD344; FZD4.		
Amino Acid Sequence	ADPLGDEEER RCDPIRISM C QNLGYNVTKM PNLVGHELQT DAELQLTTFT PLIQYGCSSQ LQFFLCSVYV PMCTEKINIP IGPCGGMCLS VKRRCEPVLK EFGFAWPESL NCSKFPPQND HNHMCMEGPG DEEVPLPHKT PIQPGEECHS VGTNSDQYIW VKRSLNCVLK CGYDAGLYSRSAKEFTDIWL EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNGQPENNYKTTTP PVLDSGDGSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKHHHHHH		
Formulation	FZD4 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

**Introduction**

Frizzled-4, also known as FZD4 is a 7 transmembrane glycoprotein which belongs to the Frizzled family within the G-protein coupled receptor superfamily. FZD4 acts as a positive regulator of the Wingless type MMTV integration site signaling pathway. These pathways appear to include interactions with G-proteins. FZD4 is implicated in transduction as well as intercellular transmission of polarity information in the course of tissue morphogenesis and differentiated tissues.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

FZD4 Human Recombinant produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 428 amino acids (37-222 a.a.) and having a molecular mass of 48.3kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). FZD4 is expressed with a 239 amino acids hIgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

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