HUMAN FZD4 PROTEIN, HFC TAG

Cat.#: 11414

Product Name: Human FZD4 Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: CD344;EVR1;FEVR;Fz-4;Fz4;FZD4S;FzE4;GPCR;hFz4

Target: FZD4

UNIPROT ID: Q9ULV1

Description: Recombinant Human FZD4 with C-terminal human Fc tag

Background: 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, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 42.4 kDa after removal of the signal peptide. The apparent molecular mass of FZD4-hFc is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: FZD4(Phe37-Glu180) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

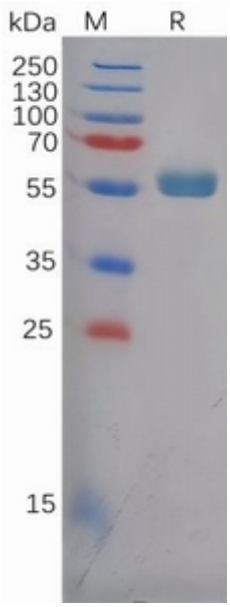

Figure 1. Human FZD4 Protein, hFc Tag on SDS-PAGE under reducing condition.