

**HUMAN FZD7 PROTEIN, HFC TAG****Cat.#:** 11841**Product Name:** Human FZD7 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** FzE3**Target:** FZD7**UNIPROT ID:** O75084**Description:** Recombinant Human FZD7 Protein with N-terminal human Fc tag**Background:** 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, Jul 2008]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 50.5 kDa after removal of the signal peptide. The apparent molecular mass of hFc-FZD7 is approximately 55-70 kDa due to glycosylation.**Molecular Characterization:** hFc(Glu99-Ala330) FZD7(Gln33-Arg254)**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.

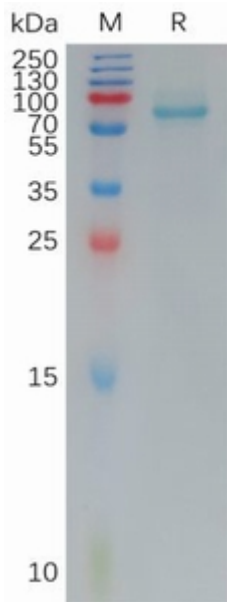


Figure 1. Human FZD7 Protein, hFc Tag on SDS-PAGE under reducing condition.