

**Synonym**

FZD4, Frizzled-4, CD344, Fz-4, hFz4, FzE4

**Source**Human Frizzled-4, Fc Tag (FZ4-H5250) is expressed from human 293 cells (HEK293). It contains AA Phe 37 - Glu 180 (Accession # [AAI14528](#)).

Predicted N-terminus: Phe 37

**Molecular Characterization**

Frizzled-4(Phe 37 - Glu 180)	Fc(Pro 100 - Lys 330)
AAI14528	P01857

[Other Tags and Version](#) [Biotin & Other Labeled Version](#)

This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 42.9 kDa. The protein migrates as 50-55 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.**Endotoxin**Less than 1.0 EU per  $\mu$ g by the LAL method / rFC method.**Purity**

&gt;95% as determined by SDS-PAGE.

**Formulation**Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

**Reconstitution**

Please see Certificate of Analysis for specific instructions.

**For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.****Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

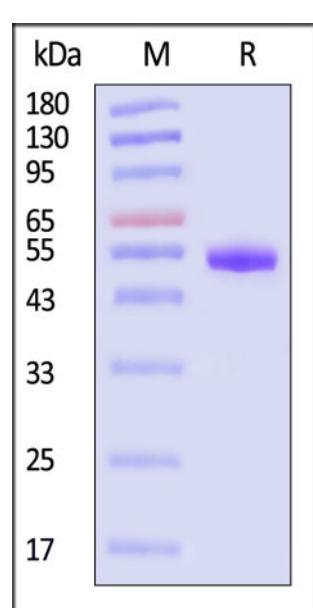
**Please avoid repeated freeze-thaw cycles.**

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

**ACRO Quality Management System**

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

**SDS-PAGE**Human Frizzled-4, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

## Background

Frizzled-4 (FZD4) is also known as FzE4, CD344, which belongs to the G-protein coupled receptor Fz/Smo family. Most of frizzled receptors are coupled to the beta-catenin canonical signaling pathway, which leads to the activation of disheveled proteins, inhibition of GSK-3 kinase, nuclear accumulation of beta-catenin and activation of Wnt target genes. FZD4 contains one FZ (frizzled) domain. FZD4 may be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues. FZD4 interacts with MAGI3 and norrin (NDP).

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