

Datasheet for ABIN7505306  
**FZD7 Protein (AA 31-250) (His tag)**



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## Overview

Quantity:	100 µg
Target:	FZD7
Protein Characteristics:	AA 31-250
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FZD7 protein is labelled with His tag.

## Product Details

Sequence:	Gly31-Arg250
Characteristics:	A DNA sequence encoding the Human Frizzled-7 protein (075084) (Gly31-Arg250) was expressed with a C-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Target Details

Target:	FZD7
Alternative Name:	Frizzled-7 ( <a href="#">FZD7 Products</a> )
Background:	Abbreviation: Frizzled-7 Target Synonym: Frizzled-7,FZD7, Background: Frizzled-7 is a member of the Frizzled family of unconventional G-protein-coupled glycoprotein receptors for the Wnt signaling pathway . The Wnt genes encode a large family of

## Target Details

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glycoproteins that are essential in development and tissue maintenance . Like other Frizzled family members, Frizzled-7 contains a divergent N-terminal signal peptide (amino acid (aa) 1 - 32), a highly conserved extracellular cysteine-rich domain (CRD, aa 44 - 169), a variable-length linker region (aa 170 ? 256), a seven-pass transmembrane region (aa 257 - 549), and a variable-length C-terminal cytoplasmic domain (aa 550 - 574) (1 - 3). The CRD, which comprises the binding site for Wnts and other ligands such as Syndecan 4 and fibronectin, spans about 130 amino acid residues and contains ten invariant cysteine residue

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Molecular Weight:            Calculated MW: 24.09 kDa  
                                         Observed MW: 32 kDa

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UniProt:                        [O75084](#)

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Pathways:                      [WNT Signaling, Stem Cell Maintenance](#)

## Application Details

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Restrictions:                   For Research Use only

## Handling

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Format:                         Lyophilized

Buffer:                         Lyophilized from sterile PBS, pH 7.4.  
                                         Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

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Storage:                        4 °C,-20 °C,-80 °C

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Storage Comment:            Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.  
                                         Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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Expiry Date:                   12 months