

FZD2 Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P70918
Synonyms:	Frizzled-2; Fz-2; mFz2; Fzd2; frizzled (Drosophila) homolog 2
Species:	Mouse
Source:	HEK293
Accession:	Q9JIP6 (Q29-L168)
Gene ID:	57265
Molecular Weight:	55-60 kDa

PROPERTIES

AA Sequence	<p>Q F H G E K G I S I P D H G F C Q P I S I P L C T D I A Y N Q T I M P N L L G H</p> <p>T N Q E D A G L E V H Q F Y P L V K V Q C S P E L R F F L C S M Y A P V C T V L</p> <p>E Q A I P P C R S I C E R A R Q G C E A L M N K F G F Q W P E R L R C E H F P R</p> <p>H G A E Q I C V G Q N H S E D G A P A L</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>FZD2, functioning as a receptor for Wnt proteins, is predominantly associated with the beta-catenin canonical signaling pathway, orchestrating the activation of disheveled proteins, inhibition of GSK-3 kinase, nuclear accumulation of beta-catenin, and activation of Wnt target genes. While certain family members exhibit a second signaling pathway involving PKC and calcium fluxes, the precise distinction and potential integration with the canonical pathway remain unclear, with PKC appearing crucial for Wnt-mediated GSK-3 kinase inactivation. Both pathways entail interactions with G-proteins. FZD2's potential involvement in transducing polarity information during tissue morphogenesis and/or in differentiated tissues further underscores its intricate role in cellular processes.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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