

Frizzled-10/CD350 Protein, Human (HEK293, His)

Cat. No.:	HY-P74146
Synonyms:	CD350; Frizzled homolog 10 (Drosophila); Frizzled-10; FZ-10
Species:	Human
Source:	HEK293
Accession:	NP_009128.1 (I21-G161)
Gene ID:	11211
Molecular Weight:	Approximately 20-25 kDa due to the glycosylation.

PROPERTIES

AA Sequence	<pre> I S S M D M E R P G D G K C Q P I E I P M C K D I G Y N M T R M P N L M G H E N Q R E A A I Q L H E F A P L V E Y G C H G H L R F F L C S L Y A P M C T E Q V S T P I P A C R V M C E Q A R L K C S P I M E Q F N F K W P D S L D C R K L P N K N D P N Y L C M E A P N N G S D E P T R G </pre>
Biological Activity	Measured by its ability to bind biotinylated recombinant mouse Wnt-3a in a functional ELISA. The ED ₅₀ for this effect is 4.336 nM.
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	The Frizzled-10/CD350 gene belongs to the frizzled gene family, encoding 7-transmembrane domain proteins serving as receptors for the Wingless type MMTV integration site family of signaling proteins. Typically associated with the beta-catenin canonical signaling pathway, most frizzled receptors play crucial roles in cellular signaling. Notably, through array analysis, expression of this intronless gene demonstrates a significant up-regulation in two instances of primary colon cancer. This suggests a potential involvement of Frizzled-10/CD350 in the context of colon cancer, prompting further exploration of its
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specific contributions to signaling pathways and cancer progression.

Caution: Product has not been fully validated for medical applications. For research use only.

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