

GFRA3/GDNFR-alpha-3 Protein, Human (HEK293, His)

Cat. No.:	HY-P77373
Synonyms:	GDNF family receptor alpha-3; GFR-alpha-3; GFRA3
Species:	Human
Source:	HEK293
Accession:	O60609-1/NP_001487.2 (D32-W382)
Gene ID:	2676
Molecular Weight:	Approximately 50-57 kDa due to the glycosylation

PROPERTIES

AA Sequence	<p> D P L P T E S R L M N S C L Q A R R K C Q A D P T C S A A Y H H L D S C T S S I S T P L P S E E P S V P A D C L E A A Q Q L R N S S L I G C M C H R R M K N Q V A C L D I Y W T V H R A R S L G N Y E L D V S P Y E D T V T S K P W K M N L S K L N M L K P D S D L C L K F A M L C T L N D K C D R L R K A Y G E A C S G P H C Q R H V C L R Q L L T F F E K A A E P H A Q G L L L C P C A P N D R G C G E R R R N T I A P N C A L P P V A P N C L E L R R L C F S D P L C R S R L V D F Q T H C H P M D I L G T C A T E Q S R C L R A Y L G L I G T A M T P N F V S N V N T S V A L S C T C R G S G N L Q E E C E M L E G F F S H N P C L T E A I A A K M R F H S Q L F S Q D W P H P T F A V M A H Q N E N P A V R P Q P W </p>
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human Artemin at 1 µg/mL can bind Human GFRA3 with an apparent KD is 1.463 nM.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.5.
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

GFRA3/GDNFR-alpha-3 Protein functions as the receptor for the glial cell line-derived neurotrophic factor, ARTN (artemin). It plays a crucial role in mediating the autophosphorylation and activation of the RET receptor tyrosine kinase upon stimulation by artemin. Additionally, GFRA3/GDNFR-alpha-3 interacts with SORL1, indicating its involvement in various cellular signaling pathways.

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

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