

GFRA2/GDNFR-alpha-2 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P76950
Synonyms:	GDNF Family Receptor Alpha-2; GFR-Alpha-2; GDNFR-Beta; NRTNR-Alpha; GDNFRB; RETL2; TRNR2
Species:	Mouse
Source:	HEK293
Accession:	O08842/NP_032141.2 (S22-S441)
Gene ID:	14586
Molecular Weight:	Approximately 75 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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.
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	GFRA2/GDNFR-alpha-2 Protein serves as the receptor for neurturin, facilitating the NRTN-induced autophosphorylation and activation of the RET receptor. Additionally, it plays a role in mediating GDNF signaling through the RET tyrosine kinase receptor. Notably, GFRA2/GDNFR-alpha-2 is involved in the NRTN-induced phosphorylation of STAT3 at 'Ser-727,' highlighting its participation in signaling pathways associated with cell responses. These interactions underscore the significance of GFRA2 in transducing signals that regulate cellular processes and contribute to the intricate network of signaling events involved in neuronal development and maintenance.
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Caution: Product has not been fully validated for medical applications. For research use only.

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