

## Product datasheet for **TP720395L**

### **GDNF Receptor alpha 1 (GFRA1) (NM\_001145453) Human Recombinant Protein**

#### **Product data:**

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| <b>Product Type:</b>                         | Recombinant Proteins   |
| <b>Description:</b>                          | Recombinant protein of human GDNF family receptor alpha 1 (GFRA1), transcript variant 3  |
| <b>Species:</b>                              | Human  |
| <b>Expression Host:</b>                      | HEK293   |
| <b>Expression cDNA Clone or AA Sequence:</b> | Asp25-Lys429   |
| <b>Tag:</b>                                  | C-His  |
| <b>Predicted MW:</b>                         | 46.3 kDa   |
| <b>Concentration:</b>                        | lot specific   |
| <b>Purity:</b>                               | >95% as determined by SDS-PAGE and Coomassie blue staining   |
| <b>Buffer:</b>                               | Lyophilized from a 0.2 um filtered solution of 20mM PB,150mM NaCl,pH7.4.   |
| <b>Endotoxin:</b>                            | < 0.1 EU per µg protein as determined by LAL test  |
| <b>Reconstitution Method:</b>                | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH2O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| <b>Storage:</b>                              | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.                                  |
| <b>Stability:</b>                            | Stable for at least 6 months from date of receipt under proper storage and handling conditions.  |
| <b>RefSeq:</b>                               | <a href="#">NP_001138925</a>   |
| <b>Locus ID:</b>                             | 2674   |
| <b>UniProt ID:</b>                           | <a href="#">P56159</a>   |
| <b>Cytogenetics:</b>                         | 10q25.3  |
| <b>Synonyms:</b>                             | GDNFR; GDNFRA; GFR-ALPHA-1; GFRalpha-1; RET1L; RETL1; TRNR1  |



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**Summary:**

This gene encodes a member of the glial cell line-derived neurotrophic factor receptor (GDNFR) family of proteins. The encoded preproprotein is proteolytically processed to generate the mature receptor. Glial cell line-derived neurotrophic factor (GDNF) and neurturin (NTN) are two structurally related, potent neurotrophic factors that play key roles in the control of neuron survival and differentiation. This receptor is a glycosylphosphatidylinositol (GPI)-linked cell surface receptor for both GDNF and NTN, and mediates activation of the RET tyrosine kinase receptor. This gene is a candidate gene for Hirschsprung disease. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed. [provided by RefSeq, Jan 2016]

**Protein Families:**

Druggable Genome

**Product images:**