

## Recombinant Human GFRA1 Protein

| Catalog #                 | Source  | Reactivity | Applications        |
|---------------------------|---|------------|---------------------|
| CRP1615                   | Human cells   | Human      | E, WB, SDS-PAGE, MS |
| <b>Description</b>        | Recombinant Human GFRA1 Protein is produced by our Mammalian expression system and the target gene encoding Asp25-Lys429 is expressed with a 6His tag at the C-terminus.  |            |                     |
| <b>Form</b>               | Lyophilized from a 0.2 $\mu$ M filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  |            |                     |
| <b>Gene Symbol</b>        | GFRA1   |            |                     |
| <b>Alternative Names</b>  | GDNFRA; RETL1; TRNR1; GDNF family receptor alpha-1; GDNF receptor alpha-1; GDNFR-alpha-1; GFR-alpha-1; RET ligand 1; TGF-beta-related neurotrophic factor receptor 1  |            |                     |
| <b>Entrez Gene</b>        | 2674 (Human)  |            |                     |
| <b>SwissProt</b>          | P56159 (Human)  |            |                     |
| <b>Purity</b>             | Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.   |            |                     |
| <b>Chemical Structure</b> | <p>DRLDCVKASD QCLKEQSCST KYRTLRLQCVA GKETNFSLAS GLEAKDECERS AMEALKQKSL</p> <p>YNCRCRGMK KEKNCLRIYW SMYQSLQGND LLEDSPYEPV NSRLSDIFRV VPFISVEHIP</p> <p>KGNNCLDAK ACNLDDICKK YRSAYITPCT TSVSNDVCNR RKCHKALRQF FDKVPAKHSY</p> <p>GMLFCSCRDI ACTERRRQTI VPVCSYEERE KPNCLNLQDS CKTNYICRSR LADFFTNCQP</p> <p>ESRSVSSCLK ENYADCLLAY SGLIGTVMTP NYIDSSSLSV APWCDCSNSG NDLEECLKFL</p> <p>NFFKDNTCLK NAIQAFGNGS DVTVWQPAFP VQTTTATTTT ALRVKNKPLG PAGSENEIPT</p> <p>HVLPPCANLQ AQKLKSNVSG NTHLCISNGN YEKEGLGASS HITTKVDHHH HHH</p> |            |                     |
| <b>Quality Control</b>    | Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.  |            |                     |
| <b>Directions for Use</b> | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the  |            |                     |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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