

Recombinant Human GFRA1 Protein

Catalog #	Source	Reactivity	Applications
CRP1616	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human GFRA1 Protein is produced by our mammalian expression system and the target gene encoding Asp25-Lys429 is expressed with a Fc tag at the C-terminus.

Form Lyophilized from a 0.2 μM filtered solution of PBS, pH 7.4.

Gene Symbol GFRA1

Alternative Names 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

Entrez Gene 2674 (Human)

SwissProt P56159 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure DRLDCVKASD QCLKEQSCST KYRTLRLQCV A GKETNFSLAS GLEAKDEC RS AMEALKQKSL
 YNCRCKRGMK KEKNCLRIYW SMYQSLQGND LLEDSPYEPV NSRLSDIFRV VPFISVEHIP
 KGNNCLDAAK ACNLDDICKK YRSAYITPCT TSVSNDVCNR RKCHKALRQF FDKVPAKHSY
 GMLFCSCRDI ACTERRRQTI VPVCSYEERE KPNCLNLQDS CKTNYICRSR LADFFTNCQP
 ERSVSSCLK ENYADCLLAY SGLIGTVMTP NYIDSSSLSV APWCDCSNSG NDLEECLKFL
 NFFKDNTCLK NAIQAFGNGS DVTVWQPAFP VQTTTATTTT ALRVKNKPLG PAGESNEIPT
 HVLPPCANLQ AQKLKSNVSG NTHLCISNGN YEKEGLGASS HITTKVDDIE GRMDEPKSCD
 KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG
 VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVS NKALPAP IEKTISKAKG
 QPREPQVYTL PPSREEMTKN QVSLTCLVKG FYPSDIAVEW ESNQQPENNY KTTTPVLDS D

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

GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGK

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the 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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