

## HUMAN GFRA3 PROTEIN, HIS TAG

**Cat.#:** 11416

**Product Name:** Human GFRA3 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** GDNFR3

**Target:** GFRA3

**UNIPROT ID:** O60609

**Description:** Recombinant human GFRA3 protein with C-terminal 6xHis tag

**Background:** The protein encoded by this gene is a glycosylphosphatidylinositol(GPI)-linked cell surface receptor and a member of the GDNF receptor family. It forms a signaling receptor complex with RET tyrosine kinase receptor and binds the ligand, artemin. [provided by RefSeq, Jul 2008]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 39.1 kDa after removal of the signal peptide. The apparent molecular mass of GFRA3-His is approximately 55-70 kDa due to glycosylation.

**Molecular Characterization:** GFRA3(Asp32-Asn374) 6×His tag

**Purity:** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

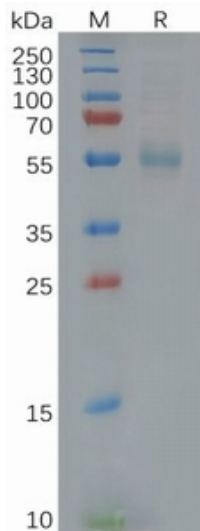


Figure 1. Human GFRA3 Protein, His Tag on SDS-PAGE under reducing condition.

**Human GFRA3, His Tagged protein ELISA**  
0.2  $\mu$ g of Human GFRA3, His tagged protein per well

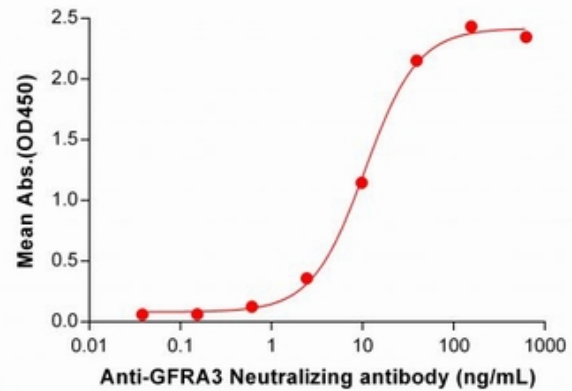


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human GFRA3 Protein, His Tag (11416) can bind Anti-GFRA3 Neutralizing antibody 28094 in a linear range of 2.44-156.25 ng/mL.