

## HUMAN CHRM2 PROTEIN, HFC TAG

**Cat.#:** 11939

**Product Name:** Human CHRM2 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** HM2

**Target:** CHRM2

**UNIPROT ID:** P08172

**Description:** Recombinant Human CHRM2 Protein with C-terminal human Fc tag

**Background:** The muscarinic cholinergic receptors belong to a larger family of G protein-coupled receptors. The functional diversity of these receptors is defined by the binding of acetylcholine to these receptors and includes cellular responses such as adenylate cyclase inhibition, phosphoinositide degeneration, and potassium channel mediation. Muscarinic receptors influence many effects of acetylcholine in the central and peripheral nervous system. The muscarinic cholinergic receptor 2 is involved in mediation of bradycardia and a decrease in cardiac contractility. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Jul 2008]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 28.6 kDa after removal of the signal peptide. The apparent molecular mass of CHRM2-hFc is approximately 35-55 kDa due to glycosylation.

**Molecular Characterization:** CHRM2(Met1-Glu22) hFc(Glu99-Ala330)

**Purity:** The purity of the protein is greater than 95% 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.

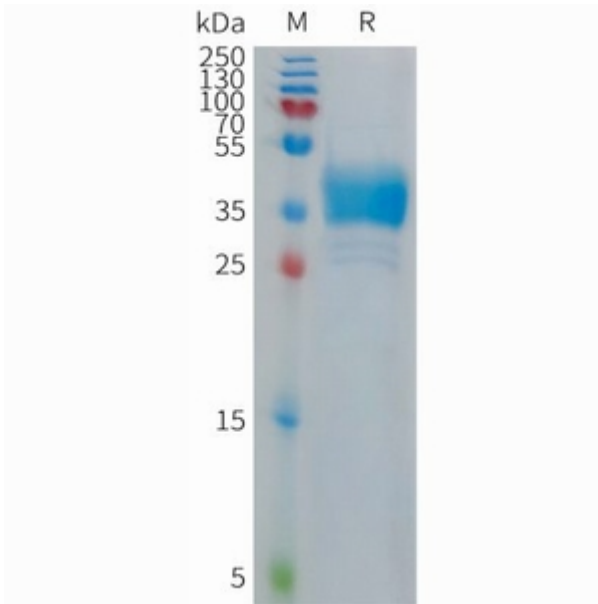


Figure 1. Human CHRM2 Protein, hFc Tag on SDS-PAGE under reducing condition.