HUMAN P2RX7 PROTEIN, HFC TAG

Cat.#: 11265

Product Name: Human P2RX7 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: P2X7

Target: P2RX7

UNIPROT ID: Q99572

Description: Recombinant human P2RX7 protein with N-terminal human Fc tag

Background: The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel and is responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. Activation of this nuclear receptor by ATP in the cytoplasm may be a mechanism by which cellular activity can be coupled to changes in gene expression. Multiple alternatively spliced variants have been identified, most of which fit nonsense-mediated decay (NMD) criteria. [provided by RefSeq, Jul 2010]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 59.2 kDa after removal of the signal peptide. The apparent molecular mass of hFc-P2RX7 is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: hFc(Glu99-Ala330) P2RX7(Ser47-Val334)

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.

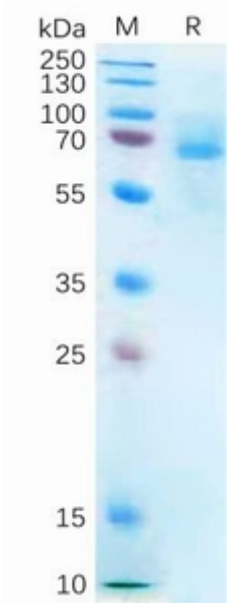

Figure 1. Human P2RX7 Protein, hFc Tag on SDS-PAGE under reducing condition.