

## HUMAN P2RX7 FULL LENGTH PROTEIN

**Cat.#:** 11030

**Product Name:** Human P2RX7 Full Length Protein

**Size :** 10 µg, 50 µg and 100 µg

**Synonyms:** P2X7

**Target:** P2RX7

**UNIPROT ID:** Q99572

**Description:** Human P2RX7 full length protein-synthetic nanodisc

**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 human full length P2RX7 protein has a MW of 68.4 kDa

**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.

ELISA assay to evaluate P2RX7-Nanodisc  
0.2µg Human P2RX7-Nanodisc per well

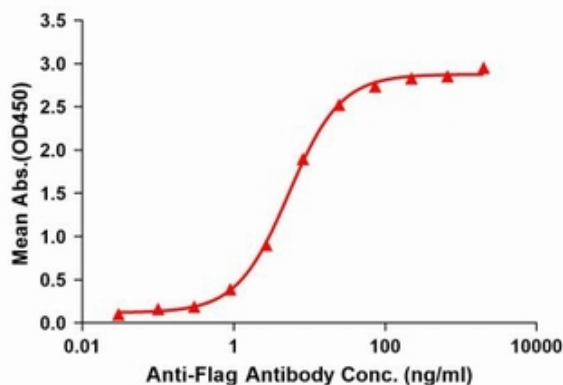


Figure1. Elisa plates were pre-coated with Flag Tag P2RX7-Nanodisc (0.2 µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with P2RX7-Nanodisc is 5.349ng/ml.



Figure2. Human P2RX7-Nanodisc, Flag Tag on SDS-PAGE