

PRODUCT INFORMATION

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| Tag | C-Flag&Strep Tag |
| Target | P2RX7 |
| Synonyms | P2X7 |
| Description | Human P2RX7-Strep full length protein-synthetic nanodisc |
| Delivery | 6~8weeks |
| Uniprot ID | Q99572 |
| Expression Host | HEK293 |
| Protein Families | Druggable Genome, Ion Channels: ATP Receptors, Transmembrane |
| Protein Pathways | Calcium signaling pathway, Neuroactive ligand-receptor interaction |
| Molecular Weight | The human full length P2RX7-Strep 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. Please see Certificate of Analysis for specific instructions of reconstitution. |
| 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. |
| 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] |
| Usage | Research use only |
| Conjugate | Unconjugated |

