

**PRODUCT INFORMATION**

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| <b>Target</b>                           | P2RX4  |
| <b>Synonyms</b>                         | P2X4, P2X4R  |
| <b>Description</b>                      | Human P2RX4 full length protein-synthetic nanodisc   |
| <b>Delivery</b>                         | 6~8weeks   |
| <b>Uniprot ID</b>                       | Q99571   |
| <b>Expression Host</b>                  | HEK293   |
| <b>Protein Families</b>                 | Ion Channels: ATP Receptors  |
| <b>Protein Pathways</b>                 | N/A  |
| <b>Molecular Weight</b>                 | The human full length P2RX4 protein has a MW of 43.4kDa  |
| <b>Formulation &amp; Reconstitution</b> | 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. Do not use solvents with pH lower than 6.5 in subsequent experiments.   |
| <b>Storage &amp; Shipping</b>           | 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.  |
| <b>Background</b>                       | The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel with high calcium permeability. The main pharmacological distinction between the members of the purinoceptor family is the relative sensitivity to the antagonists suramin and PPADS. The product of this gene has the lowest sensitivity for these antagonists. Multiple alternatively spliced transcript variants, some protein-coding and some not protein-coding, have been found for this gene. [provided by RefSeq, Feb 2012] |
| <b>Usage</b>                            | Research use only  |

