

Recombinant Full Length Human P2RX7 Protein, GST-tagged

Cat. No. P2RX7-6868HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human P2RX7 full-length ORF (AAH11913.1, 1 a.a. - 595 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	595 amino acids
Description	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.
Molecular Mass	94.9 kDa
AA Sequence	MPACCSCSDVFQYETNKVTRIQSMNYGTIKWFFHVIIFSIVCFALVSDKLYQRKEPVI SSVHTKVKGIAEVKEEIVENGVKKLVHSVFDTADYTFPLQGNSSFFVMTNFLKTEGQE QRLCPEYPTRRRLCSDRGCKKGMWDPQSKGIQTGRCCVHHEGNQKTCEVSAWCPI EAVEEAPRPALLNSAENFTVLIKNNIDFPGHNYTTRNLPGLNITCTFHKTQNPQCPIF RLGDIFRETGDNFSDVAIQGGIMGIEIYWDCNLDRWFHCHPKYSFRRLDDKTTNVS LYPGYNFRYAKYYKENVKRTLIKVFGIRFDILVFGTGGKFDIIQLVVYIGSTLSYFGL

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

AAVFIDFLIDTYSSNCCRSHIYPWCKCCQPCVVNEYYYRKKCESIVEPKPTLKYSVSV
 DESHIRMVNQQLLGRSLQDVKGQEVPRPAMDFTDLSRLPLALHDTPIPGQPPEIQL
 LRKEATPRSRDSPVWCQCQGSCLPSQLPESHRCLEELCCRKKPGACITTSELFRLV
 LSRHVLQFLLLYQEPLLALDVDSTNSRLRHCAAYRCYATWRFSGQDMADFAILPSCC
 RWIRIRKEFPKSEGQYSGFKSPY

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [P2RX7 purinergic receptor P2X 7 \[Homo sapiens \(human\) \]](#)

Official Symbol [P2RX7](#)

Synonyms P2RX7; purinergic receptor P2X 7; P2X7; P2X purinoceptor 7; ATP receptor; P2X7 receptor; P2Z receptor; purinergic receptor P2X, ligand gated ion channel, 7; purinergic receptor P2X7 variant A; purnergic receptor P2X 7

Gene ID [5027](#)

mRNA Refseq [NM_002562](#)

Protein Refseq [NP_002553](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



MIM	602566
------------	--------

UniProt ID	Q99572
-------------------	--------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA