

Datasheet for ABIN7554848
P2RX7 Protein (AA 1-595) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | P2RX7 |
| Protein Characteristics: | AA 1-595 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This P2RX7 protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant P2RX7 Protein expressed in mammalian cells. |
| Sequence: | <p>MPACCSCSDV FQYETNKVTR IQSMNYGTIK WFFHVIIFS Y VCFALVSDKL YQRKEPVISS</p> <p>VHTKVKGIAE VKEEIVENG V KKL VHSVFD T ADYTFPLQGN SFFVMTNFLK TEGQEQRLCP</p> <p>EYPTRTLCS SDRGCKKGWM DPQSKGIQTG RCVVYEGNQK TCEVSAWCPI EAVEEAPRPA</p> <p>LLNSAENFTV LIKNNIDFP G HNYTTRNLP GLNITCTFHK TQNPQCPIFR LGDIFRETGD</p> <p>NFSDVAIQGG IMGIEIYWD C NLDRWFHHC R PKYSFRRLDD KTTNVS LYPG YNFRYAKYYK</p> <p>ENNVEKRTL I KVGIRFDIL VFGTGGKFDI IQLVVIYGST LSYFGLAAVF IDFLIDTYSS NCCRSHIYPW</p> <p>CKCCQPCVVN EYYYRKKCES IVEPKPTLKY VSFVDESHIR MVNQQLLGRS LQDVKGQEV P</p> <p>RPAMDFTDLS RLPLALHDT P PIPGQPEEQ LLRKEATPRS RDSPVWCQCG SCLPSQLPES</p> <p>HRCLEELCCR KKP GACITTS ELFRKLVL SR HVLQFLLLYQ EPLLALDVDS TNSRLRHCA Y</p> <p>RCYATWRFGS QDMADFAIL P SCCRWIRKE FPKSEGQYSG FKSPY Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special</p> |

request, please contact us.

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| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer. |
| Characteristics: | <p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p> |
| Purity: | > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC) |
| Grade: | custom-made |

Target Details

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| Target: | P2RX7 |
| Alternative Name: | P2RX7 (P2RX7 Products) |
| Background: | <p>P2X purinoceptor 7 (P2X7) (ATP receptor) (P2Z receptor) (Purinergic receptor),FUNCTION: Receptor for ATP that acts as a ligand-gated ion channel. Responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. Could function in both fast synaptic transmission and the ATP-mediated lysis of antigen-presenting cells. In the absence of its natural ligand, ATP, functions as a scavenger receptor in the recognition and engulfment of apoptotic cells (PubMed:21821797, PubMed:23303206). {ECO:0000269 PubMed:21821797, ECO:0000269 PubMed:23303206, ECO:0000269 PubMed:28326637}.</p> |
| Molecular Weight: | 68.6 kDa |

Target Details

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| UniProt: | Q99572 |
| Pathways: | Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Synaptic Vesicle Exocytosis |

Application Details

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| Application Notes: | We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Buffer: | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. |
| Expiry Date: | 12 months |