abcam

Product datasheet

Recombinant Human P2X7 protein ab159042

1 Image

Description

Product name	Recombinant Human P2X7 protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MPACCSCSDVFQYETNKVTRIQSMNYGTIKWFFHVIIFSYV CFALVSDKL YQRKEPVISSVHTKVKGIAEVKEEIVENGVKKLVHSVFDTA DYTFPLQGN SFFVMTNFLKTEGQEQRLCPEYPTRRTLCSSDRGCKKGW MDPQSKGIQTG RCVVHEGNQKTCEVSAWCPIEAVEEAPRPALLNSAENFT VLIKNNIDFPG HNYTTRNILPGLNITCTFHKTQNPQCPIFRLGDIFRETGDNF SDVAIQGG IMGIEIYWDCNLDRWFHHCHPKYSFRRLDDKTTNVSLYPGY NFRYAKYYK ENNVEKRTLIKVFGIRFDILVFGTGGKFDIIQLVVYIGSTLSYF GLAAVF IDFLIDTYSSNCCRSHIYPWCKCCQPCVVNEYYYRKKCESI VEPKPTLKY VSFVDESHIRMVNQQLLGRSLQDVKGQEVPRPAMDFTDL SRLPLALHDTP PIPGQPEEIQLLRKEATPRSRDSPVWCQCGSCLPSQLPE SHRCLEELCCR KKPGACITTSELFRKLVLSRHVLQFLLLYQEPLLALDVDST NSRLRHCAY RCYATWRFGSQDMADFAILPSCCRWRIRKEFPKSEGQYS GFKSPY
Amino acids	1 to 595
Tags	GST tag N-Terminus

Specifications

Specifications

Our **Abpromise guarantee** covers the use of **ab159042** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA
Form	Liquid
Additional notes	

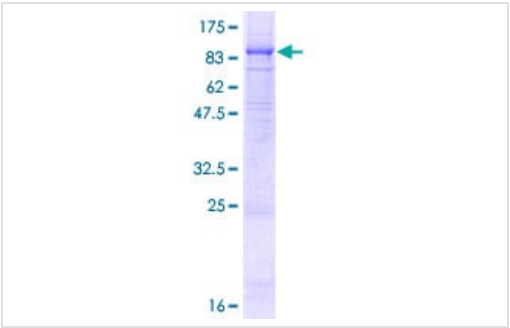
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

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.
Tissue specificity	Widely expressed with highest levels in brain and immune tissues.
Sequence similarities	Belongs to the P2X receptor family.
Post-translational modifications	Phosphorylation results in its inactivation. ADP-ribosylation at Arg-125 is necessary and sufficient to activate P2RX7 and gate the channel. Palmitoylation of several cysteines in the C-terminal cytoplasmic tail is required for efficient localization to cell surface.
Cellular localization	Cell membrane.

Images



SDS-PAGE - Recombinant Human P2X7 protein (ab159042)

ab159042 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors