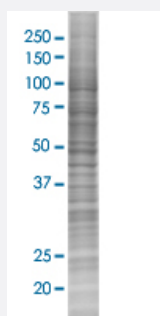


P2RX7 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005027-T02

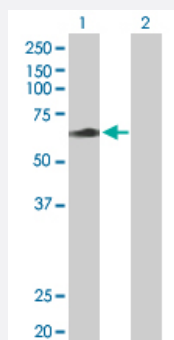
Size 100 uL

Applications



SDS-PAGE Gel

P2RX7 transfected lysate.



Western Blot

Lane 1: P2RX7 transfected lysate (68.5 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-P2RX7 full-length

Host Human

Theoretical MW (kDa) 68.5

Quality Control Testing Transient overexpression cell lysate was tested with Anti-P2RX7 antibody ([H00005027-D01P](#)) by Western Blots.
 SDS-PAGE Gel
 P2RX7 transfected lysate.
 Western Blot
 Lane 1: P2RX7 transfected lysate (68.5 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — P2RX7

Entrez GeneID[5027](#)**GeneBank Accession#**[BC011913](#)**Protein Accession#**[AAH11913.1](#)**Gene Name**

P2RX7

Gene Alias

MGC20089, P2X7

Gene Description

purinergic receptor P2X, ligand-gated ion channel, 7

Omim ID[151400 602566](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 which would encode different isoforms have been identified although some fit nonsense-mediated decay (NMD) criteria. [provided by RefSeq]

Other Designations

ATP receptor|P2X purinoceptor 7|P2X7 receptor|P2Z receptor|purinergic receptor P2X7

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Agoraphobia](#)
- [Anemia](#)
- [Anxiety Disorders](#)
- [Arthritis](#)
- [Bacteremia](#)
- [Bipolar Disorder](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chromosome Aberrations](#)
- [Crohn Disease](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Femoral Neck Fractures](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Goiter](#)
- [Hematologic Neoplasms](#)
- [Hip Fractures](#)
- [Hyperparathyroidism](#)

- [Hypertension](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Multiple Myeloma](#)
- [Osteolysis](#)
- [Osteoporosis](#)
- [Panic Disorder](#)
- [Phobic Disorders](#)
- [Postoperative Complications](#)
- [Prosthesis Failure](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Sleep Disorders](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)