

## Product datasheet for **SC213607**

### **P2RX7 (NM\_002562) Human 3' UTR Clone**

#### **Product data:**

|                           |                                      |
|---------------------------|--------------------------------------|
| Product Type:             | 3' UTR Clones                        |
| Product Name:             | P2RX7 (NM_002562) Human 3' UTR Clone |
| Symbol:                   | P2RX7                                |
| Synonyms:                 | P2X7                                 |
| Mammalian Cell Selection: | Neomycin                             |
| Vector:                   | pMirTarget (PS100062)                |
| ACCN:                     | NM_002562                            |
| Insert Size:              | 1276 bp                              |



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**Insert Sequence:** >SC213607 3' UTR clone of NM\_002562  
 The sequence shown below is from the reference sequence of NM\_002562. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site  
**Blue**=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

ACAGTGGCTTCAAGAGTCCTTACT**TGA**AGCCAGGCACCGTGGCTCACGTCTGTAATCCCAGCGCTTTGGGA  
 GGCCGAGGCAGGCAGATCACCTGAGGTCGGGAGTTGGAGACCCGCTGGCTAACAAAGCGAAATCCTGTCT  
 TGTAATAAAAATACAAAATCAGCCAGACATGGTGGCATGCACCTGCAATCCCAGCTACTCGGGAGGCTG  
 AGGCACAAGAATCACTTGAACCCGGGAGGCAGAGGTTGTAGTGAGCCAGATTGTGCCACTGCTCTCCAG  
 CCTGGGAGGCACAGCAAAGTGTCCCCAAAAAAGAGTCTTACCAATAGCAGGGGCTGCAGTAG  
 CCATGTTAACATGACATTTACCAGCAACTTGAAGTTCACCTGCAAAGCTCTGTGCCACATTTTCAGCCA  
 AAGGAAATATGCTTTTCTTCTGTTGCTCTGTGTCTGAGAGCAAAGTGACCTGGTTAAACAAACCA  
 GAATCCCTCTACATGGACTCAGAGAAAAGAGATTGAGATGTAAGTCTCAACTCTGTCCCCAGGAAGTTGT  
 GTGACCTAGGCCTCTCACCTCTGTGCCTCTGTCTCCTTGTGGCCAACTACTATCTCAGAGATATTGTG  
 AGGACAAATTGAGACAGTGCACATGAAGTGTCTTTTAATGTGTAAGATCTACATGAATGCAAAACATTT  
 CATTATGAGGTCAGACTAGGATAATGTCCAAGTAAAAACAAACCTTTTTCATCCTGGCTGGAGAATGTGG  
 AGAACTAAAGGTGGCCACAAATCTTTGACACTCAAGTCCCCAAGACCTAAGGGTTTTATCTCTCCCC  
 TTGAATATGGGTGGCTCTGATTGCTTTATCCAAAAGTGGAAAGTGCATTTGTGTCAGTTTCAGATCCTGAT  
 CTTAAGAGGCTGACAGCTTCTACTTGTGTCCCTTGGAACTCTTGCTATCGGGGAAGCCAGACGCCATTT  
 AAAAGTCTGCCTATCCTGGCCAGGTGTGGTGGCTCACACCTGTAATCCCAGCACTTTGGGAGACCAAGGC  
 GGGCGGATCACTTAAAGTCAGGAGTCCAAGACCAGACTCGCCAACATGGTGAAACCGTATCTCTAATAAAA  
 AATACAAAATTAGCTGGGCATGGTGGCGGCACCTGTAGTCTAGCTATCAAGAGGCTGAGACAGGAGAA  
 ACATTTGAACCTGGGAGGTGGAGTTGCATTGAGCTGAGATCGTGCCACTGCACTCCAGGCTGGGTGACA  
 GAGCGAGACTCCATCT

**ACGCGT**AAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCG

**Restriction Sites:** Sgfl-Mlul

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_002562.4](#)

**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 have been identified, most of which fit nonsense-mediated decay (NMD) criteria. [provided by RefSeq, Jul 2010]

**Locus ID:** 5027