

Product datasheet for **SC127817**

ST2 (IL1RL1) (NM_003856) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ST2 (IL1RL1) (NM_003856) Human Untagged Clone
Tag:	Tag Free
Symbol:	ST2
Synonyms:	DER4; FIT-1; IL33R; ST2; ST2L; ST2V; T1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127817 sequence for NM_003856 edited (data generated by NextGen Sequencing)

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ATGGGGTTTTGGATCTTAGCAATTCTCACAATTCTCATGTATTCCACAGCAGCAAAGTTT
AGTAAACAATCATGGGGCCTGGAAAATGAGGCTTTAATTGTAAGATGTCCTAGACAAGGA
AAACCTAGTTACACCGTGGATTGGTATTACTCACAAACAAACAAAAGTATCCCCTCAG
GAAAGAAATCGTGTGTTTGCCTCAGGCCAATTCTGAAGTTTCTACCAGCTGCAGTTGCT
GATTCTGGTATTTATACCTGTATTGTCAGAAGTCCCACATTCAATAGGACTGGATATGCG
AATGTCACCATATATAAAAAACAATCAGATTGCAATGTTCCAGATTATTTGATGTATTCA
ACAGTATCTGGATCAGAAAAAATTCAAAATTTATTGTCCTACCATTGACCTCTACAAC
TGGACAGCACCTCTTGAGTGGTTAAGAATTGTCAGGCTCTTCAAGGATCAAGGTACAGG
GCGCACAAGTCATTTTTGGTCATTGATAATGTGATGACTGAGGACGCAGGTGATTACACC
TGTAATTTATACACAATGAAAATGGAGCCAATTATAGTGTGACGCGCACCAGGTCTTTC
ACGGTCAAGGATGAGCAAGGCTTTTCTCTGTTTCCAGTAATCGGAGCCCTGCACAAAAT
GAAATAAAGGAAGTGAAATGGAAAAACGCAACCTAACTTGCTCTGCTTGTGTTTGGGA
AAAGGCACTCAGTTCTTGGCTGCCGTCTGTGGCAGCTTAATGGAACAAAATTACAGAC
TTTGGTGAACCAAGAATCAACAAGAGGAAGGGCAAAATCAAAGTTTTCAGCAATGGGCTG
GCTTGTCTAGACATGGTTTTAAGAATAGCTGACGTGAAGGAAGAGGATTTATTGCTGCAG
TACGACTGTCTGGCCCTGAATTTGCATGGCTTGAGAAGGCACACCGTAAGACTAAGTAGG
AAAAATCCAAGTAAGGAGTGTCTTCTGA

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Clone variation with respect to NM_003856.2



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_003856 unedited CGGTACCATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACCAGCAAAAAGT GAAACTATTCTTAGCTCCGTCAGTCACTCAAGTTCATCCCCTGTCTTTTCAGTTTGGT TGAGATATAGGCTACTCTTCCAACTCAGTCTTGAAGAGTATACCAACTGCCTCATGTG TGGTGACCTTCACTGTCGTATGCCAGTCACTCTGGAGTAATCTCAACAACGAGTTAC CAATACTTGCTCTTGATTGATAAACAGAATGGGGTTTTGGATCTTAGCAATTCTCACAAT TCTCATGTATTCCACAGCAGCAAAAGTTTAGTAAACAATCATGGGGCCTGGAAAATGAGGC TTTAATTGTAAGATGTCCTAGACAAGGAAAACCTAGTTACACCGTGGATTGGTATTACTC ACAAACAAACAAAAGTATTCCCCTCAGGAAAGAAATCGTGTGTTTGCCTCAGGCCAACT TCTGAAGTTTCTACCAGCTGCAGTTGCTGATTCTGGTATTTATACCTGTATTGTCAGAAG TCCCACATTCAATAGGACTGGATATGCGAATGTCACCATATATAAAAAACAATCAGATTG CAATGTTCCAGATTATTTGATGTATTCAACAGTATCTGGATCAGAAAAAATTCCAAAAT TTATTGCTCCTACCATTGACCTCTACAACCTGGACAGCACCTCTTGAGTGGTTTAAGAATTG TCAGGCTCTTCAGGATCAAGGTACAGGGCGCACAAAGTCATTTTTGGTCATTGATAATGTG ATGACTGAGGACGCANGTGATTACACCTGNTAATTATACACCATGAAATGGAGCANTNAT AGTGTGACGGCGACCAGTCTTACGTCAGGATGAGCAAGCTTTTCTCTGTTTCCAGTAT CGGAGCCCTGCCAAATGNATAAAGGNAGTAAAATGAAAAACCAACCTACTGCTCTN
Restriction Sites:	NotI-NotI
ACCN:	NM_003856
Insert Size:	2650 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_003856.2 , NP_003847.2
RefSeq Size:	2542 bp
RefSeq ORF:	987 bp
Locus ID:	9173
UniProt ID:	Q01638
Cytogenetics:	2q12.1
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane

Gene Summary:

The protein encoded by this gene is a member of the interleukin 1 receptor family. Studies of the similar gene in mouse suggested that this receptor can be induced by proinflammatory stimuli, and may be involved in the function of helper T cells. This gene, interleukin 1 receptor, type I (IL1R1), interleukin 1 receptor, type II (IL1R2) and interleukin 1 receptor-like 2 (IL1RL2) form a cytokine receptor gene cluster in a region mapped to chromosome 2q12. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) has an alternate 5' UTR exon and lacks several 3' terminal exons, and its transcription extends past a splice site that is used in variant 1, resulting in a novel 3' coding region and 3' UTR, compared to variant 1. It encodes isoform 2 which is shorter and has a distinct C-terminus, compared to isoform 1.