

## Product datasheet for **RG205916**

### ST2 (IL1RL1) (NM\_003856) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ST2 (IL1RL1) (NM_003856) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ST2
Synonyms:	DER4; FIT-1; IL33R; ST2; ST2L; ST2V; T1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205916 representing NM_003856 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGTTTTGGATCTTAGCAATTCTCACAATTCTCATGTATTCCACAGCAGCAAAGTTTAGTAAACAAT  
CATGGGGCCTGGAAAATGAGGCTTTAATTGTAAGATGTCCTAGACAAGGAAAACCTAGTTACACCGTGGA  
TTGGTATTACTCACAAACAAACAAAAGTATCCCACTCAGGAAAGAAATCGTGTGTTTGCCTCAGGCCAA  
CTTCTGAAGTTTCTACCAGCTGCAGTTGCTGATTCTGGTATTTATACCTGTATTGTCAGAAGTCCCACAT  
TCAATAGGACTGGATATGCGAATGTCACCATATATAAAAAACAATCAGATTGCAATGTTCCAGATTATTT  
GATGTATTCAACAGTATCTGGATCAGAAAAAATTCAAAATTTATTGTCCTACCATTGACCTCTACAAC  
TGGACAGCACCTCTTGAGTGGTTAAGAATTGTCAGGCTCTTCAAGGATCAAGGTACAGGGCGCACAAAGT  
CATTTTTGGTCATTGATAATGTGATGACTGAGGACGCAGGTGATTACACCTGTAATTTATACACAATGA  
AAATGGAGCCAATTATAGTGTGACGGCGACCAGGTCTTCACGGTCAAGGATGAGCAAGGCTTTTCTCTG  
TTTCCAGTAATCGGAGCCCCTGCACAAAATGAAATAAAGGAAGTGGAAATGGAAAAACGCAAACCTAA  
CTTGCTCTGCTTGTGTTTGGAAAAGGCACTCAGTCTTGCTGCGCTCCTGTGGCAGCTTAATGGAACAAA  
AATTACAGACTTTGGTGAACCAAGAATTCACAAGAGGAAGGGCAAAATCAAAGTTTCAGCAATGGGCTG  
GCTTGTCTAGACATGGTTTTAAGAATAGCTGACGTGAAGGAAGAGGATTTATTGCTGCAGTACGACTGTC  
TGGCCCTGAATTTGCATGGCTTGAGAAGGCACACCGTAAGACTAAGTAGGAAAAATCCAAGTAAGGAGTG  
TTTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG205916 representing NM\_003856  
Red=Cloning site Green=Tags(s)

MGFWILAILTILMYSTAAKFSKQSWGLENEALIVRCPRQKPSYTVDWYYSQTNKSIPTQERNRVFASGQ  
 LLKFLPAAVADSGIYTCIVRSPTFNRTGYANVTIYKKQSDCNVPDYLMYSTVSGSEKNSKIYCPTIDL  
 YNWTAPLEWFKNCQALQGSRYRAHKSFLVIDNVMTEADAGDYTCCKFIHNENGANYSVTATRSFTVKDEQGFSL  
 FPVIGAPAQNEIKEVEIGKNANLTCACFGKGTQFLAAVLWQLNGTKITDFGEPRIQQEEGQNSFSNGL  
 ACLDMVLRADVKEDLLLQYDCLALNLHGLRRHTVRLSRKNPSKECF

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_003856

**ORF Size:** 984 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

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\\_003856.4](#)

**RefSeq Size:** 2542 bp

**RefSeq ORF:** 987 bp

**Locus ID:** 9173

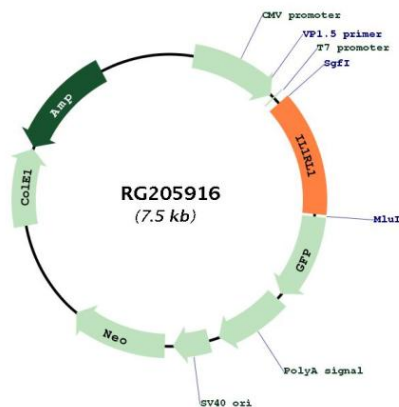
**UniProt ID:** [Q01638](#)

**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]

### Product images:



Circular map for RG205916