

Product datasheet for **RG236595**

ST2 (IL1RL1) (NM_001282408) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ST2 (IL1RL1) (NM_001282408) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IL1RL1
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:	>RG236595 representing NM_001282408. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTATCAACAGTATCTGGATCAGAAAAAATCCAAAATTTATTGTCCTACCATTGACCTCTACAAC
TGGACAGCACCTCTTGAGTGGTTAAGAATTGTCAGGCTCTCAAGGATCAAGGTACAGGGCGCACAAAG
TCATTTTTGGTCATTGATAATGTGATGACTGAGGACGCAGGTGATTACACCTGTAATTTATACACAAT
GAAAATGGAGCCAATTATAGTGTGACGGCGACCAGGTCTTCACGGTCAAGGATGAGCAAGGCTTTTCT
CTGTTTCCAGTAATCGGAGCCCCTGCACAAAATGAAATAAAGGAAGTGGAAATGGAAAAACGCAAAC
CTAACTTGCTCTGCTTGTGTTTGGAAAAGGCACTCAGTTCTTGGCTGCCGTCTGTGGCAGCTTAATGGA
ACAAAAATTACAGACTTTGGTGAACCAAGAATCAACAAGAGGAAGGGCAAAATCAAAGTTTCAGCAAT
GGGCTGGCTTGTCTAGACATGGTTTTAAGAATAGCTGACGTGAAGGAAGAGGATTTATTGCTGCAGTAC
GACTGTCTGGCCCTGAATTTGCATGGCTTGAGAAGGCACACCGTAAGACTAAGTAGGAAAAATCCAAGT
AAGGAGTGTTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG236595
 Blue=ORF Red=Cloning site Green=Tag(s)

MYSTVSGSEKNSKIYCP TIDL YNWTAPLEWFKNCQALQGSRYRAHKSFLVIDNVMTEADGDYTCFKFIHN
 ENGANSYV TATRSFTVKDEQGFSLFPVIGAPAQNEIKEVEIGKNANL TCSACFGKGTQFLAAVLWQLNG
 TKITDFGEPRIQQEEGQNSFSNGLACLDMVLR IADVKEEDLLLQYDCLALNLHGLRRHTVRLSRKNPS
 KECF

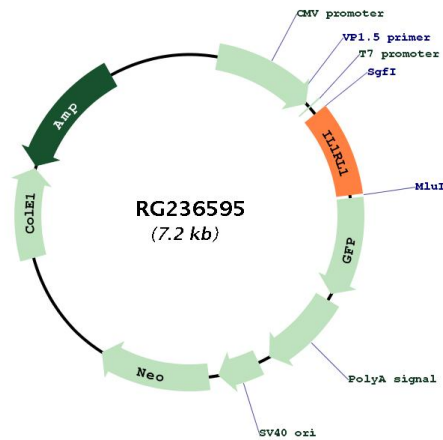
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYP SGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVI GDFKVMGTGFPE
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282408

ORF Size:	633 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).
RefSeq:	NM_001282408.1 , NP_001269337.1
RefSeq Size:	3589 bp
RefSeq ORF:	636 bp
Locus ID:	9173
UniProt ID:	Q01638
Cytogenetics:	2q12.1
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
MW:	24.2 kDa
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]