

Product datasheet for **RG204928**

IL13 receptor alpha 1 (IL13RA1) (NM_001560) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL13 receptor alpha 1 (IL13RA1) (NM_001560) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IL13 receptor alpha 1
Synonyms:	CD213A1; CT19; IL-13Ra; NR4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204928 representing NM_001560 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTGTCCGGCGGGCTCTGCGGGCTGTGGGCGCTGCTGCTCTGCGCCGGCGGGGGCGGGGGCG
GGGGCGCCGCGCCTACGAAACTCAGCCACCTGTGACAAATTTGAGTGTCTCTGTTGAAACCTCTGCAC
AGTAATATGGACATGGAATCCACCCGAGGGAGCCAGCTCAAATTTGAGTCTATGGTATTTTAGTCATTTT
GGCGACAAACAAGATAAGAAAATAGCTCCGAAACTCGTCGTTCAATAGAAGTACCCTGAATGAGAGGA
TTTGTCTGCAAGTGGGTCCCAGTGTAGCACCAATGAGAGTGAGAAGCCTAGCATTGTTGGTTGAAAATG
CATCTCACCCCGAAGGTGATCCTGAGTCTGCTGTGACTGAGCTTCAATGCATTTGGCACAACCTGAGC
TACATGAAGTGTCTTGGCTCCCTGGAAGGAATACCAGTCCCAGACTAACTATACTCTCTACTATTGGC
ACAGAAGCCTGGAAAAATTCATCAATGTGAAAACATCTTTAGAGAAGGCCAATACTTTGGTTGTTCCCTT
TGATCTGACCAAAGTGAAGGATTCAGTTTTGAACAACACAGTGTCCAAATAATGGTCAAGGATAATGCA
GGAAAAATTAACCATCCTTCAATATAGTGCTTTAACTTCCCGTGTGAAACCTGATCCTCCACATATTA
AAAACCTCTCCTCCACAATGATGACCTATATGTGCAATGGGAGAATCCACAGAATTTTATTAGCAGATG
CCTATTTTATGAAGTAGAAGTCAATAACAGCCAAACTGAGACACATAATGTTTTCTACGTCCAAGAGGCT
AAATGTGAGAATCCAGAATTTGAGAGAAATGTGGAGAATACATCTGTTTCATGGTCCCTGGTGTCTCTC
CTGATACTTTGAACACAGTCAAGATAAGAGTCAAACAAATAAGTTATGCTATGAGGATGACAAACTCTG
GAGTAATTTGGAGCCAAGAAATGAGTATAGGTAAGAAGCGCAATTCACACTCTACATAACCATGTTACTC
ATTGTTCCAGTCACTGTCGAGGTGCAATCATAGTACTCTGCTTTACCTAAAAAGGCTCAAGATTATTA
TATTCCTCCAATTCCTGATCCTGGCAAGATTTTTAAAGAAATGTTTGGAGACCAGAATGATGATACTCT
GCACTGGAAGAAGTACGACATCTATGAGAAGCAAACCAAGGAGGAAACCGACTCTGTAGTGTGATAGAA
AACCTGAAGAAAGCCTCTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204928 representing NM_001560
 Red=Cloning site Green=Tags(s)

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MECPARLCGLWALLLCAGGGGGGGGAAPTETQPPVTNLSVSVENLCTVIWTWNPPEGASSNCSLWYFSHF
GDKQDKKIAPETRRSIEVPLNERICLQVGSQCSTNESEKPSILVEKCISPPEGDPESAVTELQCIWHNLS
YMKCSWLPGRNTSPDNTNYLTYWHRSLKIHQCENIFREGQYFGCSFDLTKVKDSSFQHSVQIMVKDNA
GKIKPSFNIVPLTSRVKPDPPHIKNL SFHNDL YVQWENPQNFISRCLFYEVEVNNNSQTETHNVFYVQEA
KCENPEFERNVENTSCFMVPGVLPDTLNTVIRVKNKLCYEDDKLWSNWSQEMSIGKRNSTLYITMLL
IVPVIVAGAIIVLLLYLRLKIIIFPPIPDGKIFKEMFGDQNDTLHWKKYDIYEKQTKKETDSVVLIE
NLKKASQ
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001560

ORF Size: 1281 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_001560.2](#), [NP_001551.1](#)

RefSeq Size: 4006 bp

RefSeq ORF: 1284 bp

Locus ID: 3597

UniProt ID: [P78552](#)

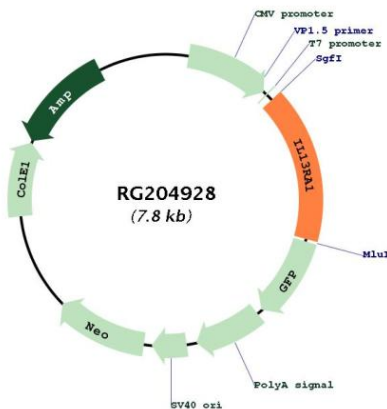
Cytogenetics: Xq24

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

Gene Summary: The protein encoded by this gene is a subunit of the interleukin 13 receptor. This subunit forms a receptor complex with IL4 receptor alpha, a subunit shared by IL13 and IL4 receptors. This subunit serves as a primary IL13-binding subunit of the IL13 receptor, and may also be a component of IL4 receptors. This protein has been shown to bind tyrosine kinase TYK2, and thus may mediate the signaling processes that lead to the activation of JAK1, STAT3 and STAT6 induced by IL13 and IL4. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG204928