

Product datasheet for **RG214436**

SLAP2 (SLA2) (NM_175077) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLAP2 (SLA2) (NM_175077) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SLAP2
Synonyms: C20orf156; MARS; SLAP-2; SLAP2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG214436 representing NM_175077
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAAGTCTGCCAGCAGAAGAAAATCTCTGCCAAGCCCAAGCTTGAGTTCCTCTGTCCAAGGCCAGG
 GACCTGTGACCATGGAAGCAGAGAGAAGCAAGGCCACAGCCGTGGCCCTGGCAGTTTCCCGCAGGTGG
 CCCGGCCGAGCTGTCGCTGAGACTCGGGGAGCCATTGACCATCGTCTCTGAGGATGGAGACTGGTGGACG
 GTGCTGTCTGAAGTCTCAGGCAGAGAGTATAACATCCCCAGCGTCCACGTGGCCAAAGTCTCCCATGGT
 GGCTGTATGAGGGCCTGAGCAGGGAGAAAGCAGAGGAAGTCTGTGTTACCTGGGAACCCCTGGAGGGGC
 TTCTCATCCGGGAGAGCCAGACCAGGAGAGGCTCTTACTCTCTGTGTCAGTCCGCCTCAGCCGCCCTGCA
 TCCTGGGACCGGATCAGACACTACAGGATCCACTGCCTTGACAATGGCTGGCTGTACATCTCACCGCC
 TCACCTTCCCCTCACTCCAGGCCCTGGTGGACCATTACTCTGAGGGCTGGCCCGCTCCCTGGCAAGGATA
 TACCCCTACCTGTGACTGTGCAGAGGACACCACTCAACTGGAAAGAGCTGGACAGCTCCCTCCTGTTTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214436 representing NM_175077
 Red=Cloning site Green=Tags(s)

MGSLPSRRKSLPSPSLSSSVQGGPVTMEAERSKATAVALGSFPAGGPAELSLRLGEPLTIVSEGDWWT
 VLSEVSGREYNIPSVHVAKVSHGWL YEGLSREKAEELLLLPGNPGGAFL IRESQTRRGSYLSVRLSRPA
 SWDRIRHYRIHCLDNGWLYISPRLTFPSLQALVDHYSEGWPAPWQGYTPTCDCAEDTTQLERAGQLPPVF

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_175077

ORF Size: 630 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_175077.3](#)

RefSeq Size: 2447 bp

RefSeq ORF: 633 bp

Locus ID: 84174

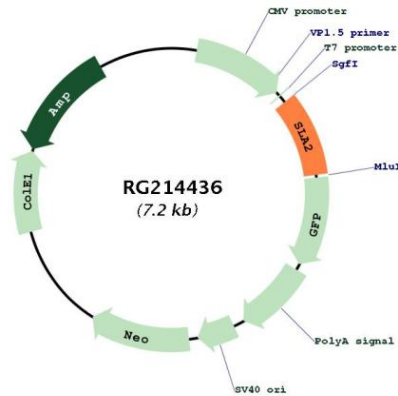
UniProt ID: [Q9H6Q3](#)

Cytogenetics: 20q11.23

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: This gene encodes a member of the SLAP family of adapter proteins. The encoded protein may play an important receptor-proximal role in downregulating T and B cell-mediated responses and inhibits antigen receptor-induced calcium mobilization. This protein interacts with Cas-Br-M (murine) ecotropic retroviral transforming sequence c. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG214436