

Product datasheet for **RG200387**

IGBP1 (NM_001551) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGBP1 (NM_001551) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IGBP1
Synonyms:	ALPHA-4; alpha4; IBP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200387 representing NM_001551 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCTGAGGACGAGTTACAGCTGCCGCGGCTCCCCGAGCTGTTCGAACTGGTAGACAGTTACTGG
ACGAAGTAGAAGTGCGGACTGAACCCGCGGTTCCCGGATAGTCCAGGAGAAGGTGTTCAAGGGCTTGA
CCTCCTTGAGAAGGCTGCCGAAATGTTATCGCAGCTCGACTTGTTGAGCCGAAATGAAGATTTGGAAGAG
ATTGCTTCCACCGACCTGAAGTACCTTTTGGTGCCAGCGTTTCAAGGAGCCCTCACCATGAAACAAGTCA
ACCCAGCAAGCGTCTAGATCATTGTCAGCGGGCTCGAGAACACTTTATAAACTACTTAACCTCAGTGCCA
TTGCTATCATGTGGCAGAGTTTGTAGCTGCCAAAACCATGAACAACCTCTGCTGAAAATCACACTGCCAAT
TCCTCCATGGCTTATCCTAGTCTCGTTGTATGGCATCTCAAAGACAGGCTAAAAATACAGAGATAAAGC
AGAAGAAGGAGTTGGAGCATAGTTGTCTGCAATGAAATCTGCTGTGGAAAGTGGTCAAGCAGATGATGA
GCGTGTTCTGTAATATTCTTCTTACCTTCAGAGGTGGATTGATATCAGCTTAGAAGAGATTGAGAGC
ATTGACCAGGAAATAAGATCCTGAGAGAAAGAGACTCTTCAAGAGAGGCATCAACTTCTAACTCATCTC
GCCAGGAGAGGCTCCAGTGAACCCCTTATTCTCACTCGGAACATGGCTCAAGCCAAAGTATTTGGAGC
TGTTATCCAAGTCTGCCAACTATGACGGTGAGTACTGGTATGAGCAACATCGGAAATATGGAGCATT
CCGGATCAGGGAATAGCCAAGGCAGCACAGAGGAATTCAGAAAAGCAGCTCAGCAACAGGAAGAACAAG
AAGAAAAGGAGGAAGAGGATGATGAACAACACTCCACAGAGCCCGGGAGTGGGATGACTGGAAGGACAC
CCATCCTAGGGGCTATGGGAACCGACAGAACATGGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG200387 representing NM_001551
Red=Cloning site Green=Tags(s)

MAAEDELQLPRLPELFETGRQLLDEVEVATEPAGSRIVQEKVFKGLDLLEKAAEMLSQDLFSRNEDLEE
 IASTDLKYL LVP AFQ GAL TMKQVNPSKRDLHLQRAREHF INYL TQCHCYHVAEFELPKTMNNSAENHTAN
 SSMAYPSLVAMASQRQAKIQRYKQKKELEHRLSAMKSAVESGQADDERVREYLLHLQRWIDISLEEIES
 IDQEIKILRERDSSREASTSNSSRQERPPVKPFI LTRNMAQAKVFGAGYPSLPTMTVSDWYEQHRKYGAL
 PDQGIAKAAPEEFRKAAQQEEQEEKEEEDDEQTLHRAREWDDWKDTHPRGYGNRQNMG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001551

ORF Size: 1017 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_001551.3](#)

RefSeq Size: 1679 bp

RefSeq ORF: 1020 bp

Locus ID: 3476

UniProt ID: [P78318](#)

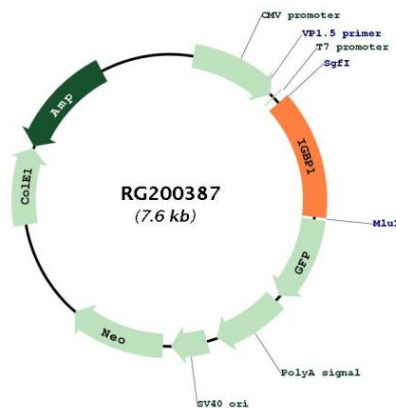
Cytogenetics: Xq13.1

Domains: TAP42

Protein Families: Druggable Genome

Gene Summary: The proliferation and differentiation of B cells is dependent upon a B-cell antigen receptor (BCR) complex. Binding of antigens to specific B-cell receptors results in a tyrosine phosphorylation reaction through the BCR complex and leads to multiple signal transduction pathways. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG200387