

Product datasheet for **RG212883**

SCYL1BP1 (GORAB) (NM_152281) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCYL1BP1 (GORAB) (NM_152281) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SCYL1BP1
Synonyms:	GO; NTKLBP1; SCYL1BP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212883 representing NM_152281 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGAGCTGGGCAGCAGTGTGGCAGTCGCGGCTGCGAGATTTGGGCACTTTGGGGTGCCGGTGGCCCG
 GGCCGATGGCGCAAGGTTGGGCAGGCTTCTCTGAGGAGGAAGTGAAGGAGCTAAAGCAGACTAAAGATCC
 ATTTGAACACAGCGACGTCTCCCGCGAAGAAAAGTCGACAACAATTCAGCGAGAAAAAGCCCTTGTA
 GAGCAAAGCCAAAACTTGGGCTTCAAGATGGATCAACCTCATTACTTCCAGAGCAGCTGCTTTCAGCAC
 CAAAACAGAGAGTTAACGTTCAAAAACCACTTTTCTTCCCCTACTCTCCGAGTCATTTCACTCTCAC
 CTCCCCCGTTGGTGATGGACAACCACAGGCATTGAAAGTCAGCCAAAGGAAGTGGGACTTGAGAATTCC
 CATGATGGTCACAACAATGTTGAGATTCTACCTCCAAAGCCAGATTGCAAATTGGAGAAAAAGAAAGTGG
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 AAGCGGATCCAGAAGGAGTTGCAGGCTTTAGATGACATGGTGTGACGTGACACTGGAATTTCTCAGGAACC
 GGATTGATCAGGCCAGCCTAGACTATTCATACGCTCGGAAGCGGTTTGACAGGGCTGAAGCAGAGTACAT
 TGCAGCAAAGCTAGATATACAGCGCAAGACTGAGATAAAGAGCAACTCACTGAACACCTTTGTACGATC
 ATACAGCAAAATGAGCTCCGAAAGGCCAAGAAGTTGGAGGAGTTGATGCAACAAGTATAGTAGAAGCCG
 ATGAAGAGACTTTGGAGCTTGAGGTGGAGTTCGAGGGATTGCTACACAAACAAGAGTAGAATCAAGGAG
 ACCAGTGGTTCGTTTAGAGAGGCCATTTAGCCTGCGGAGGAGAGTGTGACATTAGAATTTGCTAAAGAG
 AACAGAAAGTGTCAAGAACAAGCTGTTTCCCAAAGGTAGATGACCAGTGTGAAATTCAGTAGCATCC
 CCTTCTTAGTCCAAACTGCCCAATCAAGAAGGTAATGACATTTAGCTGCTTTGGCCACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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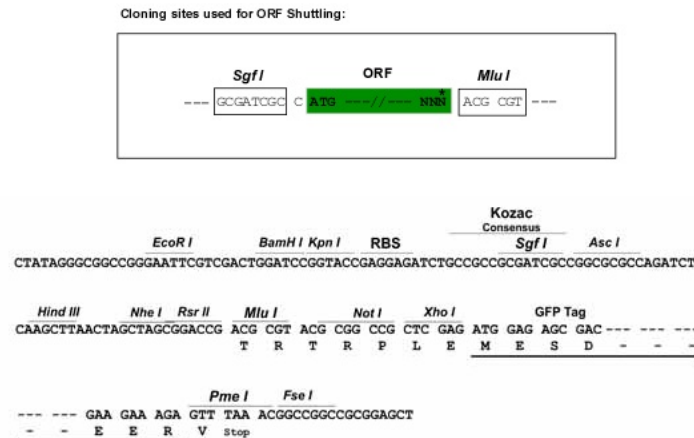
Protein Sequence: >RG212883 representing NM_152281
 Red=Cloning site Green=Tags(s)

MSWAAVLAVAAARFGHFWGCRWPGPMAQGWAGFSEEELRRLKQTKDPFEPQRRLLPAKKSRRQLQREKALV
 EQSQKLGQDGSTSLLEQQLSAPKQVRNVQKPPFSSPTLPSHFTLTSPVGDGQPQGIESQPKELGLENS
 HDGHNNVEILPPKPDCKLEKKKVELQEKSWEVLQQEQRLMEEKNKRKALLAKAIAERSKRTQAETMKL
 KRIQKELQALDDMVSADTGILNRIDQASLDYSYARKRFDRAEAEYIAAKLDIQRKTEIKEQLTEHLCTI
 IQQNELRKAKKLEELMQQLDVEADEETLELEVEVEGLLHKQEVESRRPVVRLERPFQPAEESVTLEFAKE
 NRKCQEQA VSPKVDDQCGNSSSIPFLSPNCPNQE GNDISAALAT

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152281

ORF Size: 1182 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152281.1](#), [NP_689494.1](#)

RefSeq Size: 2186 bp

RefSeq ORF: 1110 bp

Locus ID: 92344

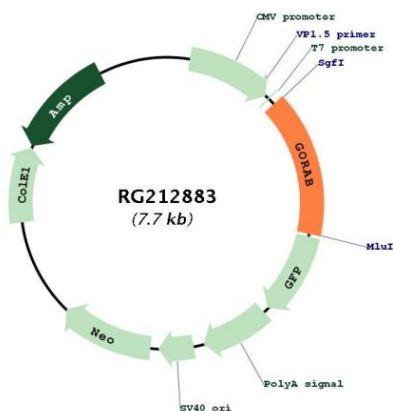
UniProt ID: [Q5T7V8](#)

Cytogenetics: 1q24.2

Domains: DUF662

Gene Summary: This gene encodes a member of the golgin family, a group of coiled-coil proteins localized to the Golgi. The encoded protein may function in the secretory pathway. The encoded protein, which also localizes to the cytoplasm, was identified by interactions with the N-terminal kinase-like protein, and thus it may function in mitosis. Mutations in this gene have been associated with geroderma osteodysplastica. Alternatively spliced transcript variants have been described. [provided by RefSeq, Mar 2009]

Product images:



Circular map for RG212883