

Product datasheet for **RG213522**

SH3GL3 (NM_003027) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH3GL3 (NM_003027) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SH3GL3
Synonyms:	CNSA3; EEN-B2; HsT19371; SH3D2C; SH3P13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213522 representing NM_003027 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGGAATCTTTGCTGGGATAATATGCAATCAAGCTAATAGGTGCCTTACCTGGACCTCCCAACAGC
TATTTAGTGAAAAATAAGTGGTCTGAAGGAATAACTAGACGATGAATTTCTTGACATGGAAAGGAA
AATAGATGTTACCAATAAAGTTGTTGCAGAAATCTTTCAAAAACCACTGAATATCTTCAGCCAAATCCA
GCATACAGAGCTAAGCTAGGAATGCTGAACACTGTGTCGAAGATCCGAGGGCAGGTGAAGACCACAGGAT
ACCCGCAGACGGAAGGCTTGCTGGGGACTGTATGCTGAAATACGGAAGGAGCTCGGGGAAGACTCCAC
CTTTGGCAATGCATTGATAGAAGTTGGTGAATCCATGAAGCTAATGGCTGAGGTGAAAGACTCTCTTGAT
ATTAATGTAAAGCAAACCTTTTATTGATCCACTTCACTACTACAAGATAAAGATTTAAAAGAGATCGGGC
ATCACCTGAAAAAGCTGGAAGGCCCGCCCTGGATTACGATTATAAAAAGAAACGAGTAGGTAAGATACC
AGACGAAGAAGTCAGACAAGCGGTAGAAAAATTTGAAGAGTCAAAGGAGTTGGCTGAAAGAAGCATGTTT
AACTTTTGTAGAAAATGATGTAGAACAAGTCAGCCAGTTGGCTGTGTTTCATAGAGGCAGCATTAGACTATC
ACAGACAGTCCACAGAGATTCTGCAGGAGCTGCAGAGCAAGCTACAGATGCGAATATCAGCTGCATCCAG
TGTCGCCAGACGAGAATACAAGCCAAGGCTGTGAAAAGGAGTTCTAGTGAGCTCAATGGAGTTTCCACC
ACCTCTGTAGTGAAGACGACAGTTCTAACATTTCCATGGACCAGCCCTGCTGCTGCTCTATGACT
TTGAGCCAGAAAACCAAGGAGAATTAGGATTTAAGAAGGGGACATCATTACATTAACCAATCAAATAGA
TGAAAACCTGGTATGAAGGAATGATACACGGAGAATCGGGATTCTTCCCCATTAATTACGTGGAAGTGATC
GTGCCTTTACCTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG213522 representing NM_003027
Red=Cloning site Green=Tags(s)

MDGIFAGIICNQANRCLTWTSQQLFSEKISGAEGTKLDDEFLDMERKIDVTNKVVAEILSKTTEYLQPNP
 AYRAKLGMLNTVSKIRGQVKTTGYPQTEGLLDGDCMLKYGKELGEDSTFGNALIEVGESMKLMAEVKDSL
 INVKQTFIDPLQLLQDKDLKEIGHHLKLEGRRLDYDYKKRVRGKIPDEEVRQAVEKFEESKELAESMF
 NFLENDVEQVSQLAVFIEAALDYHRQSTEILQELQSKLQMRISAASSVPRREYKPRPVKRSSSELNGVST
 TSVYKTTGSNIPMDQPCCRGLYDFEPENQGELGFKEGDIIITLTNQIDENWYEGMIHGSGFFPINYVEVI
 VPLPQ

TRTRPLE - GFP Tag - V

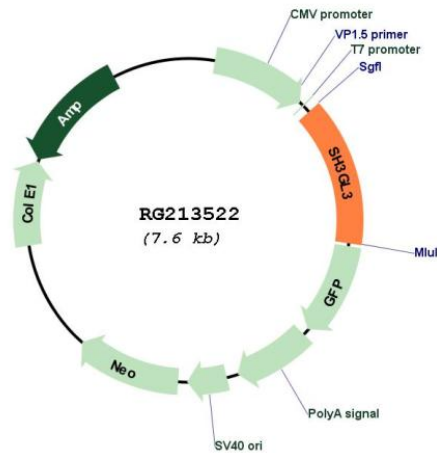
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_003027

ORF Size:	1840 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:	<ol style="list-style-type: none">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_003027.2
RefSeq Size:	2015 bp
RefSeq ORF:	1044 bp
Locus ID:	6457
UniProt ID:	Q99963
Cytogenetics:	15q25.2
Domains:	SH3, BAR
Protein Pathways:	Endocytosis
Gene Summary:	Implicated in endocytosis. May recruit other proteins to membranes with high curvature (By similarity).[UniProtKB/Swiss-Prot Function]