

Product datasheet for **RG216882**

GLIPR1 (NM_006851) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	GLIPR1
Synonyms:	CRISP7; GLIPR; RTVP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG216882 representing NM_006851
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGTGTCACACTTGCTACAATAGCCTGGATGGTTTCTTTGTCTCCAATTATTCACACACAGCAAATA
TTTTGCCAGATATCGAAATGAAGATTTCATCAAAGACTGCGTTTCAATCCATAACAAGTTCGATCAGA
GGTGAAACCAACAGCCAGTGATGCTATACATGACTTGGGACCCAGCACTAGCCCAAATGCAAAAGCA
TGGGCCAGCAATTGCCAGTTTTCACATAATACCGCTGAAGCCACCCACAAGCTGCACCCAACTTCA
CTTCACTGGGAGAGAATCTGGACTGGGTCTGTGCCATTTTCTGTGCTTCCGCCATCACAACTG
GTATGACGAAATCCAGGACTATGACTTCAAGACTCGGATATGCAAAAAAGTCTGTGGCCACTACACTCAG
GTTGTTTGGGAGATAGTTACAAAGTTGGCTGCGCAGTTCAATTTGCCCTAAAGTTTCTGGCTTTGACG
CTCTTTCAATGGAGCACATTTATATGCAACTACGGACCAGGAGGAATTACCCAATTGGCCATATAA
GAGAGGAGCCACCTGCAGTGCCTGCCCAATAATGACAAGTGTGGAATCTCTGTGTTAACCGACAG
CGAGACCAAGTGAACGTTACTACTCTGTTGTATATCCAGGCTGGCCCATATCCACGTAACAGATACA
CTTCTCTCTTCTATTGTTAATTCAGTAATCTAATACTGTCTGTATAATTACCATTTTGGTACAGCT
CAAGTACCCTAATTTAGTTCTTTTGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG216882 representing NM_006851
 Red=Cloning site Green=Tags(s)

MRVTLATIAWMVSFVSNYSHTANILPDIENEDFIKDCVRIHNKFRSEVKPTASDMLYMTWDPALAQIAKA
 WASNCQFSHNTRLKPPHKLHPNFTSLGENIWTGSVPIFSVSSAITNWDYDEIQDYDFKTRICKKVCGHYTQ
 VVWADSYKVGCAVQFCPKVSGFDALSNGAHFICNYGPGGNYPTWPKRGATCSACPNNDKCLDNLVCNRQ
 RDQVKRYSVVYPGWPIYPRNRYTSLFLIVNSVILILSVIITILVQLKYPNLVLLD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006851

ORF Size: 798 bp

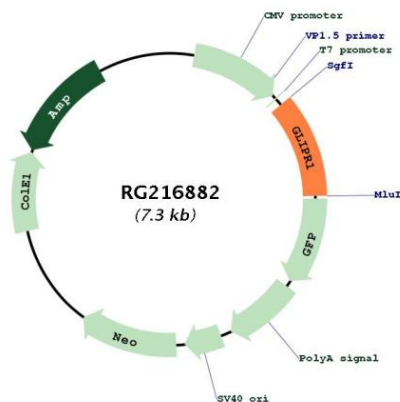
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_006851.1, NP_006842.1</u>
RefSeq Size:	1061 bp
RefSeq ORF:	801 bp
Locus ID:	11010
UniProt ID:	<u>P48060</u>
Cytogenetics:	12q21.2
Domains:	SCP
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a protein with similarity to both the pathogenesis-related protein (PR) superfamily and the cysteine-rich secretory protein (CRISP) family. Increased expression of this gene is associated with myelomocytic differentiation in macrophage and decreased expression of this gene through gene methylation is associated with prostate cancer. The protein has proapoptotic activities in prostate and bladder cancer cells. This gene is a member of a cluster on chromosome 12 containing two other similar genes. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG216882