

Product datasheet for **RG204748**

GYPE (NM_198682) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: TurboGFP

Symbol: GYPE

Synonyms: GPE; GYP A; MilX; MNS

Mammalian Cell Selection: Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204748 representing NM_198682
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTATGGAAAAAATCTTTGTATTACTATTGTCAGGAATTGTGAGCATATCAGCATCAAGTACCACTG
GTGTGGCAATGCACACTTCAACCTCTTCTTCAGTCACAAAGAGTTACATCTCATCACAGACAAATGGGAT
AACACTCATTAATTGGTGGCGCATGGCTCGTGTATTTTGAGGTGATGCTTGTGTTGTTGGAATGATC
ATCTTAATTTCTTACTGTATTCTGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204748 representing NM_198682
Red=Cloning site Green=Tags(s)

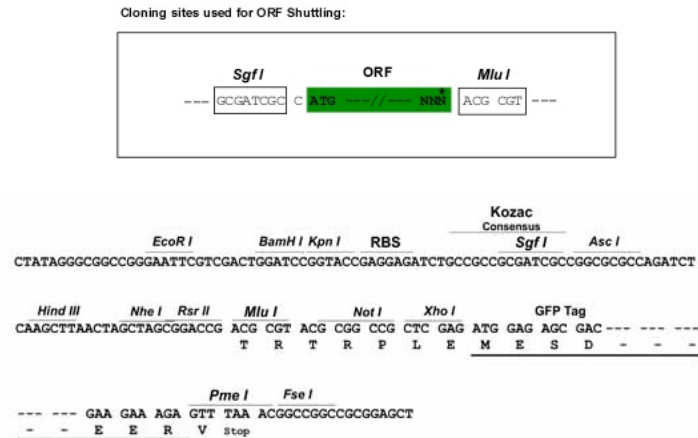
MYGKIIFVLLLSGIVSISASSTTGVMHTSTSSSVTKSYISSQTNGITLINWWAMARVIFEVMLVVVGM
ILISYCIR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_198682

ORF Size: 234 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).

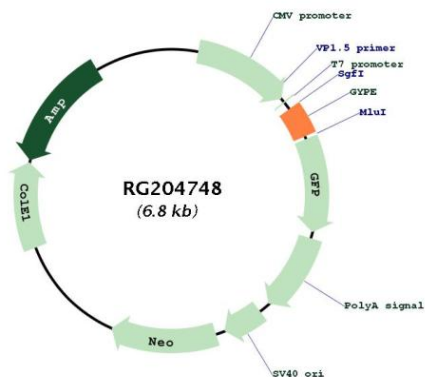
Reconstitution Method:

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_198682.3
RefSeq Size:	1718 bp
RefSeq ORF:	237 bp
Locus ID:	2996
UniProt ID:	P15421
Cytogenetics:	4q31.21

Gene Summary: The protein encoded by this gene is a sialoglycoprotein and a type I membrane protein. It is a member of a gene family with GPA and GPB genes. This encoded protein might carry the M blood group antigen. GYPA, GYPB, and GYPE are organized in tandem on chromosome 4. This gene might have derived from an ancestral gene common to the GPB gene by gene duplication. Two alternatively spliced transcript variants encoding the same protein have been described for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG204748