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Product datasheet for MR216350

Gypa (NM_010369) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gypa (NM_010369) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gypa
Synonyms:	AI853584; CD235a; GPA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR216350 representing NM_010369
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCGAGAGCACAGCTGCTGTGACAACATCAGGTCATTCTCTTACAACCACCTTCCATATACCTTCAA
GTCAACATTACCAAGAAGAGCATTCACCATCATTGTCAGGATCAGATTCTCTTCTTCAAATAACCACTCC
TGTGGTGGCTTCAACTGTAGGTAACCCAAATCAGCATTCAGCAACAATGTCAACACCAGCTATTCATGTC
TCAACTTATCACACGGCCCCTACTGAAGTGTCTGCTGCGTTTGAAGAACAGCCTGTCTCACCACACATTG
GAGGAATGCCGTCACCAATTCAACACGATTTTCCTGCACTAGTGATGATACTCATAATTTTGGGCGTGAT
GGCAGGGATTATCGGAACTATCCTTCTTATCTCTTACTGTATCAGCCGAATGACAAAGAAAAGTTCAGTT
GACATCCAATCTCCTGAGGGTGGTGACAACAGTGTGCCTTTGAGTTCTATTGAGCAGACTCCTAATGAAG
AGTCCTCCAATGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216350 representing NM_010369
Red=Cloning site Green=Tags(s)

MTESTAAVTTSGHSLTTTFHIPSSQHYQEEHSPSLSGSDSLLQITTPVVASTVGNPNQHSATMSTPAIHV
STYHTAPTEVSAAFEEQPVSPHIGGMPSPIQHDFPALVMILIILGVMAGIIGTILLISYCISRMTKKSSV
DIQSPEGGDNSVPLSSIEQTPNEESSNV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9050_b08.zip

View online »

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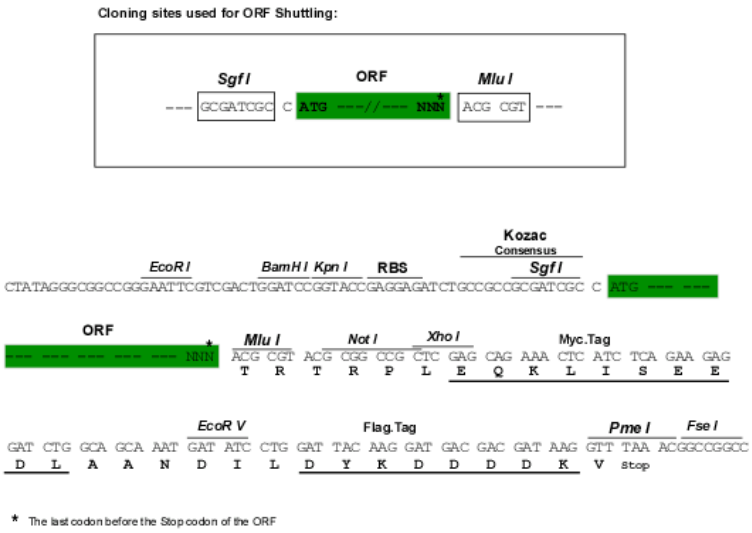
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010369

ORF Size: 507 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

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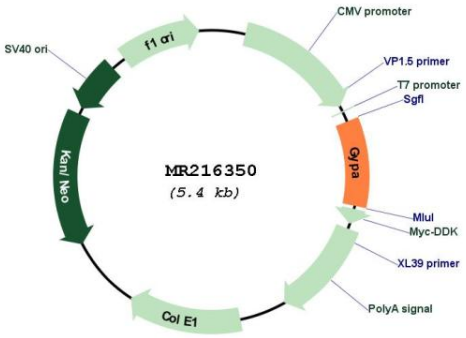
RefSeq:	NM_010369.3, NP_034499.3
RefSeq Size:	1827 bp
RefSeq ORF:	507 bp
Locus ID:	14934
UniProt ID:	P14220
Cytogenetics:	8 38.27 cM
MW:	17.7 kDa
Gene Summary:	Glycophorin A is the major intrinsic membrane sialoglycoprotein of the erythrocyte. Appears to be important for the function of SLC4A1 and is required for high activity of SLC4A1. May be involved in translocation of SLC4A1 to the plasma membrane (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216350

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