

Product datasheet for SC303121

GYPE (NM_002102) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GYPE (NM_002102) Human Untagged Clone
Tag:	Tag Free
Symbol:	GYPE
Synonyms:	GPE; GYPA; MiIX; MNS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303121 representing NM_002102. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGTATGGAAAAATAATCTTTGTATTACTATTGTCAGGAATTGTGAGCATATCAGCATCAAGTACCAC
 GGTGTGGCAATGCACACTTCAACCTCTTCTTCAGTCACAAAGAGTTACATCTCATCACAGACAAATGGG
 ATAACACTCATTAAATGGTGGGCGATGGCTCGTGTATTTTGGAGGTGATGCTTGTGTTGTTGGAATG
 ATCATCTTAATTTCTTACTGTATTCGATGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_002102
Insert Size:	237 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.


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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:	<u>NM_002102.3</u>
RefSeq Size:	511 bp
RefSeq ORF:	237 bp
Locus ID:	2996
UniProt ID:	<u>P15421</u>
Cytogenetics:	4q31.21
MW:	8.5 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) differs in the 3' UTR compared to variant 2. Variants 1 and 2 encode the same isoform.</p>