

Product datasheet for **SC305899**

GPHA2 (NM_130769) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPHA2 (NM_130769) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPHA2
Synonyms:	A2; GPA2; ZSIG51
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305899 representing NM_130769. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGCCTATGGCGTCCCCTCAAACCTGGTCTCTATCTGCTGGTCTGGCAGTCACTGAAGCCTGGGGC
CAGGAGGCAGTCATCCCAGGCTGCCACTGCACCCCTTCAATGTGACAGTGCGAAGTGACCGCCAAGGC
ACCTGCCAGGGCTCCACGTGGCACAGGCCTGTGTGGGCCACTGTGAGTCCAGCGCCTTCCTTCTCGG
TACTCTGTGCTGGTGGCCAGTGGTTACCGACACAACATCACCTCCGTCTCTCAGTGCTGCACCATCAGT
GGCCTGAAGAAGGTCAAAGTACAGCTGCAGTGTGTGGGGAGCCGAGGGAGGAGCTCGAGATCTTCAGC
GCCAGGGCCTGCCAGTGTGACATGTGTCGCCTCTCTCGCTAC**AG**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_130769
Insert Size:	390 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_130769.3</u>
RefSeq Size:	774 bp
RefSeq ORF:	390 bp
Locus ID:	170589
UniProt ID:	<u>Q96T91</u>
Cytogenetics:	11q13.1
Protein Families:	Secreted Protein
MW:	14.2 kDa
Gene Summary:	GPHA2 is a cystine knot-forming polypeptide and a subunit of the dimeric glycoprotein hormone family (Hsu et al., 2002 [PubMed 12089349]).[supplied by OMIM, Mar 2008]