

Product datasheet for **RG218090**

ASPG (NM_001080464) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ASPG
Synonyms:	C14orf76; GPA/WT; LYSOLP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG218090 representing NM_001080464
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGCGCGGTGGGGCCGAGCGGAGGCTGCTGGCCGTCTACACCGCGGCACCATTTGGCATGCGGA
 GTGAGCTCGGCGTGCTTGTGCCCGGACGGGCTGGCTGCCATCCTGAGGACACTGCCCATGTTCCATGA
 CGAGGAGCAGCGCCGAGCCGCGGCTCTCTGAGGACACCCCTGGTGTACCCCCGGCCAGCCGAACCCAG
 AGGATTCCTACACCGTGTGGAGTGCCAGCCCTCTTCGACTCCAGTGACATGACCATCGCTGAGTGGG
 TTTGCTTGCCAGACCATCAAGAGGCACTACGAGCAGTACCACGGCTTTGTGGTCATCCACGGCACCGA
 CACCATGGCCCTTGTGCTCGATGCTGTCTTCATGCTGGAGAACCTGCAGAAGACTGTATCCTCACT
 GGGGCCAGGTGCCATCCATGCCCTGTGGAGCGACGGCCGTGAGAACCTGCTGGGGGCACTGCTCATGG
 CTGGCCAGTATGTATCCAGAGGTCTGCCTTTCTTCCAGAATCAGCTGTTTCGGGGCAACCGGGCAAC
 CAAGGTAGACGCTCGGAGTTCGACGCTTCTGCTCCCGAACCTGCTGCCTCTGGCCACAGTGGGTGCT
 GACATCACAAATCAACAGGAGCTGGTGCGGAAGGTGGACGGGAAGGCTGGGCTGGTGGTGACAGCAGCA
 TGGAGCAGGACGTGGGCTGCTGCGCCTCTACCTGGGATCCCTGCCGCCCTGGTTCGGGCCTTCTTGCA
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 CAGGAGCTCGGGTGGCCACGAGCGCGGCTGGTCATCGTCAACTGTACCCACTGCCTCCAGGGGGCTG
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 GCAACACGCTGGGCGTGGGTCTCCTGGCTCCTCAGTCTGAGCGGCAGCCAGGAGGAGATGCCCTGCG
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 GTGGAGCTGGGCACTGACCTGGGCTGGTGGACTTTAACGGCCAAACCCCACTGCACGCGGCCGCCGGG
 GAGGCCACAGAGGCACTCACCATGCTGCTGCAGAGAGGTGTGGACGTGAACACCCGGGACACGGATGG
 CTTAGCCCGCTGCTGCTGGCGTGGGGGAGGATCCGGGTGTATTGGGTGCTGCGGGAAGCCGGG
 GCCTCCCTGTCCACCCAGGAGCTGGAGGAAGCAGGGACGGAGCTGTGAGGCTGGCATACAGGGCCGACC
 TCGAAGGCCTGCAGGTGTGGTGGCAGGCGGGGCTGACCTGGGGCAGCCGGGCTATGACGGGCACAGCGC
 CCTGCACGTGCGAGGCGAGCCGGGAACCTGGCAGTGGTGGCCTTTCTACAGAGCCTGGAGGTTGCGGTT
 GGTGCCAGGCCCATGCCAGAGCCCTCATGTTTTCAGGAAGTGTGCTGCTGGTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

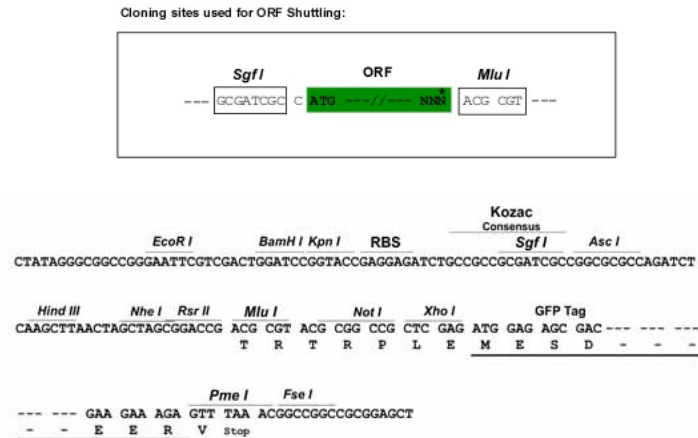
Protein Sequence: >RG218090 representing NM_001080464
 Red=Cloning site Green=Tags(s)

MARAVGPERRLLAVYTGGTIGMRSELGVLVPGTGLAAILRLPMFHDEEHARARGLSEDTLVLPASRNQ
 RILYTVLEQCPLFDSSDMTIAEWVCLAQTIKRHYEQYHGFVVIHGTDTMAFAASMLSFMLENLQKTVILT
 GAQVPIHALWSDGRENLLGALLMAGQYVPEVCLFFQNQLFRGNRATKVDARRFAAFCSPNLLPLATVGA
 DITINRELVRKVDGKAGLVVHSSMEQDVGLLRYPGIPAALVRAFLQPPLKGVVMTFTGSGNGPTKPDLL
 QELRVATERGLVIVNCTHCLQGAVTTDYAAGMAMAGAGVISGFDMTSEALAKLSYVLGQPGLSLDVRKE
 LLTKDLRGEMTPPSVEERRPSLQGNLTGGVSWLLSLSGSQEADALRNALVPSLACAAAHAGDVEALQAL
 VELGSDGLVDFNGQTPHAAARGGHTAETMLLQRGVDVNTDRTDGFSPLLLAVRGRHPGVIGLLREAG
 ASLSTQEEAAGTELRLAYRADLEGLQVWWQAGADLGQPGYDGHSAHVAAEAGNLAVVAFLQSLEGAV
 GAQAPCEPSCFQEVLPV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001080464

ORF Size: 1737 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.

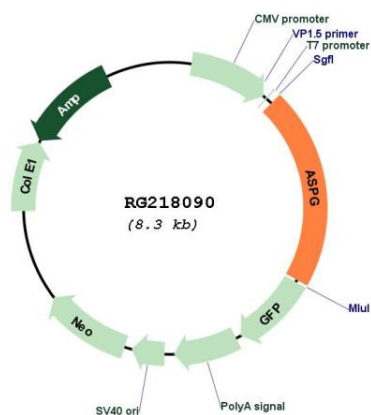
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001080464.1](#), [NP_001073933.1](#)

RefSeq Size: 1844 bp

RefSeq ORF:	1722 bp
Locus ID:	374569
UniProt ID:	Q86U10
Cytogenetics:	14q32.33
Gene Summary:	Exhibits lysophospholipase, transacylase, PAF acetylhydrolase and asparaginase activities. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG218090