OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG225135

Asph (NM_001177849) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asph (NM_001177849) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Asph
Synonyms:	2310005F16Rik; 3110001L23Rik; AI848629; AW261690; AW561901; BAH; C79816; cI-37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG225135 representing NM_001177849
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCCGCGCAAGAACGCCAAGGGCGGCGGCGGCAACAGCAGCAGCAGCGGCAGCGGCAGCGGCTCGG
GCAGCGGTAGCCCGAGCACGGGTAGCAGCGGTAGCAGCAGTAGCCCCGGGGCTCGGAGAGAGGCAAAGCA
CGGAGGACACAAGAATGGGAGAAGAGGAGGGATTTCAGGAGGGTCCTTTTTCACATGGTTCATGGTCATT
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GGTTGAGGACTTCCTCACAGTGACCGACAGTGATGACAGATTTGAGGACCTGGAACCCGGGACAGTTCAT
GAAGAAATCGAGGATACTTACCATGTGGAAGACACAGCATCGCAGAACCATCCAAATGACATGGAAGAGA
TGACGAATGAGCAGGAAAATTCAGAGGAAGTAAGACACCAAGACTATGATGAACCAGTATATGAACCCTC
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CAGATCAAATACTCCATCATGCACCCTGGAACTCATGTGTGGCCGCATACAGGACCCACAAACTGCAGGC
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GTGGGAAGAAGGCAAGGTGCTCATCTTTGATGACTCTTTTGAGCACGAGGTTTGGCAGGATGCCTCGTCT
TTCCGGCTGATATTCATCGTGGATGTGTGGCACCCCGAGCTGACCCCTCAGCAGAGACGCAGCCTTCCCG
CAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG225135 representing NM_001177849
Red=Cloning site Green=Tags(s)

MAPRKNAKGGGGNSSSSGSGSGSGSGSPSTGSSGSSSSPGARREAKHGGHKNGRRGGISGGSFFTWFMVI
ALLGVWTSVAVVWFDLVDYEEVLGKLGVYDADGDGDFDVDDAKVLLGLKERSPSERTFPPEEEAETHAEL
EEQAPEGADIQNVEDEVKEQIQSLLQESVHTDHDLEADGLAGEPQPEVEDFLTVTDSDDRFEDLEPGTVH
EEIEDTYHVEDTASQNHPNDMEEMTNEQENSEEVRHQDYDEPVYEPSEHEGVAISDNTIDDSSIISEEIN
VASVEEQQDTPPVKKKKPKLLNKFDKTIKAELDAAEKLRKRGKIEEAVNAFEELVRKYPQSPRARYGKAQ
CEDDLAEKQRSNEVLRRAIETYQEAADLPDAPTDLVKLSLKRRSERQQFLGHMRGSLLTLQRLVQLFPSD
TTLKNDLGVGYLLLGDNDSAKKVYEEVLNVTPNDGFAKVHYGFILKAQNKISESIPYLKEGIESGDPGTD
DGRFYFHLGDAMQRVGNKEAYKWYELGHKRGHFASVWQRSLYNVNGLKAQPWWTPRETGYTELVKSLERN
WKLIRDEGLMVMDKAKGLFLPEDENLREKGDWSQFTLWQQGRKNENACKGAPKTCALLEKFSETTGCRRG
QIKYSIMHPGTHVWPHTGPTNCRLRMHLGLVIPKEGCKIRCANETRTWEEGKVLIFDDSFEHEVWQDASS
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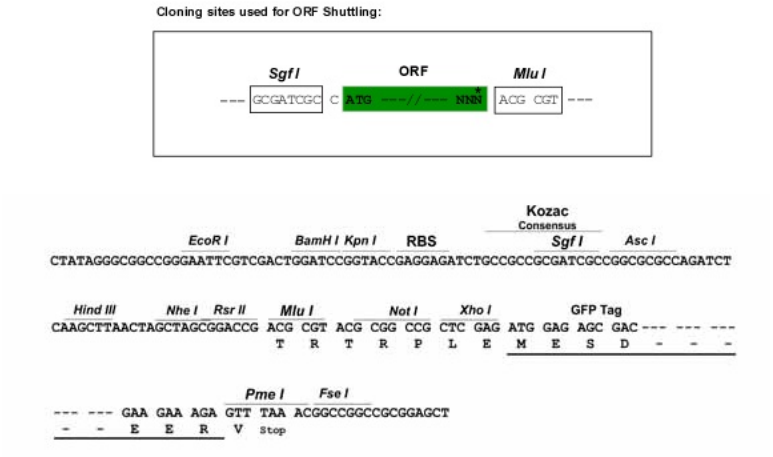
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001177849

ORF Size: 2175 bp

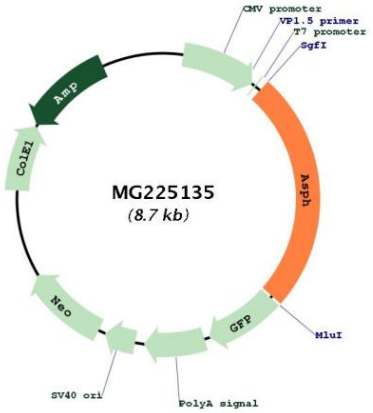
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
RefSeq:	NM_001177849.1, NP_001171320.1
RefSeq Size:	6640 bp
RefSeq ORF:	2178 bp
Locus ID:	65973
Cytogenetics:	4 A1
Gene Summary:	Isoform 1: specifically hydroxylates an Asp or Asn residue in certain epidermal growth factor-like (EGF) domains of a number of proteins.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG225135