

Product datasheet for **MR230807**

Asph (NM_001290367) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Asph (NM_001290367) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Asph |
| Synonyms: | 2310005F16Rik; 3110001L23Rik; AI848629; AW261690; AW561901; BAH; C79816; cl-37 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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**ORF Nucleotide
Sequence:**

>MR230807 representing NM_001290367
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTCATTGCATTGCTCGGCGTCTGGACATCTGTGGCTGTCGTGTGGTTTGACTTGGTCGATTATGAAG
 AAGTTCTAGGAAAAC TAGGAGTCTATGATGCGGATGGCGATGGAGACTTTGATGTGGATGATGCCAAAGT
 TTTATTAGGCCTTAAAGAAAGATCTCCTTCTGAGAGGACATTTCCACCGAGGAGGAGGCAGAGACTCAC
 GCTGAGCTGGAGGAGCAGGCCCTGAGGGGGCAGACATCCAGAATGTTGAAGATGAAGTAAAGGAACAAA
 TTCAGTCCCTTCTCAGGAATCAGTACACACAGACCATGACCTTGAAGCAGATGGGCTGGCAGGAGAACC
 ACAGCCGGAGGTTGAGGACTTCTCACAGTGACCGACAGTGATGACAGATTTGAGGACCTGGAACCCGGG
 ACAGTTTACGAAGAAATCGAGGATACTTACCATGTGGAAGACACAGCATCGCAGAACCATCCAAATGACA
 TGGAAGAGATGACGAATGAGCAGGAAAATTCAGAGGAAGTAAGACACCAAGACTATGATGAACCAAGTATA
 TGAAACCTCAGAGCATGAAGGGTCCGATTTTCAGATAACACCATAGATGATTCCAGCATAATCTCAGAA
 GAAATAAATGTCGCCTCTGTTGAAGAACAGCAAGACACACCACAGTTAAGAAGAAGAAGCCTAAACTTC
 TGAACAAATTTGATAAGCAATTAAGGCTGAGCTGGATGCTGCAGAAAAGCTCCGAAAAGGGTAAAAT
 TGAGGAAGCAGTGAACGCATTTGAAGAAGTGGTTCGAAAGTACCTCAGAGCCCACGAGCAAGATATGGC
 AAAGCGCAGTGTGAAGATGACTTGGCAGAGAAGCAGAGAAGCAATGAGGTTCTGCGCAGGGCCATCGAGA
 CCTACCAGGAGGCAGCCGACCTGCCTGATGCCCTACAGACCTGGTGAAGCTGAGCTTGAAGCGAAGGTC
 GGAACGGCAGCAGTTTCTAGGTCACATGAGAGGTTCTCTACTTACCCTCCAGAGACTAGTTCAACTGTTT
 CCTAGTGATACTACCTTAAAAACGACCTTGGCGTAGGATACCTTGTGGGAGACAACGACAGTGCCA
 AGAAGGTTTACGAAGAGGTGCTAAATGTGACACCAAATGATGGCTTCGCTAAAGTGCATTACGGCTTCAT
 CCTGAAGGCACAGAACAAGATATCTGAGAGCATTCCCTACTTAAAGGAAGGAATCGAATCTGGGGACCCT
 GGCACGGATGATGGCCGTTTTACTTCCACTTGGGGGATGCCATGCAGAGGGTCGGGAACAAGAGGCAT
 ATAAGTGGTATGAACTTGGGCACAAGAGAGGACATTTTGCCTCTGTCTGGCAGCGTTCCTCTACAATGT
 GAATGGTCTGAAGGCTCAGCCGTGGTGGACACCCAGGGAGACTGGCTACACAGAGCTAGTGAAGTCTTTA
 GAGAGAACTGGAAGTTAATCCGTGATGAAGGCCCTCATGGTGTGGATAAAGCCAAGGGTCTTCTCCTGC
 CTGAGGACGAAAACCTTCGGGAGAAGGGCGACTGGAGCCAGTTCACACTGTGGCAGCAAGGAAGGAAGAA
 TGAGAATGCCTGTAAGGAGCGCCTAAGACCTGTGCTTTACTAGAAAAGTTTTCCGAAACAACAGGATGC
 AGAAGAGGACAGATCAAATACTCCATCATGCACCTGGAACCTCATGTGTGGCCGATACAGGACCCACAA
 ACTGCAGGCTCCGAATGCATCTGGGGTTAGTGATCCCAAGGAAGGCTGCAAGATCCGGTGTGCCAATGA
 GACCAGGACGTGGGAAGAAGGCAAGGTGCTCATCTTTGATGACTTTTTGAGCACGAGGTTTGGCAGGAT
 GCCTCGTCTTCCGGCTGATATTCATCGTGGATGTGTGGCACCCCGAGCTGACCCCTCAGCAGAGACGCA
 GCCTTCCCGCAATT

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230807 representing NM_001290367
 Red=Cloning site Green=Tags(s)

MVIALLGVWTSVAVVWFDLVDYEEVLGKLGVDADGGDFDVDDAKVLLGLKERSPERTFPPEEEAETH
 AELEEQAPGADIQNVEDEVKEIQSLLQESVHTDHDLEADGLAGEPQPEVEDFLTVTSDDRFEDLEPG
 TVHEEIEDTYHVEDTASQNHPNDEEMTNEQENSEEVRHQDYDEPVYEPSEHEGVAISDNTIDSSIISE
 EINVASVEEQDTPPVKPKLLNKFDKTIKAEFDAEKLKRGKIEEAVNAFEELVRKYPQSPRARYG
 KAQCEDDLAEKQRSNEVLRRAIETYQEAADLPDPTDLVKLSLKRRSERQQFLGHMRGSLTLQRLVQLF
 PSDTTLNKDLGVGYLLLDNDSAKKVYEEVLNVTNPNDGFAKVHYGFILKAQNKISESIPYLKEGIESGDP
 GTDDGRFYFHLGDAMQRVGNKEAYKWYELGHKRGHFASVWQRSLYNVNLKAQPWWTPRETGYTELKSL
 ERNWKIRDEGLMVMKAKGLFLPEDENLREKGDWSQFTLWQQGRKNENACKGAPKTCALLEKFSETTGC
 RRGQIKYSIMHPGTHVWPHTGPTNCRMLRMLGLVIPKEGCKIRCANETRTWEEGKVLIFDDSEHEVWQD
 ASSFRLIFIVDVWHPPELTPQRRSLPAI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

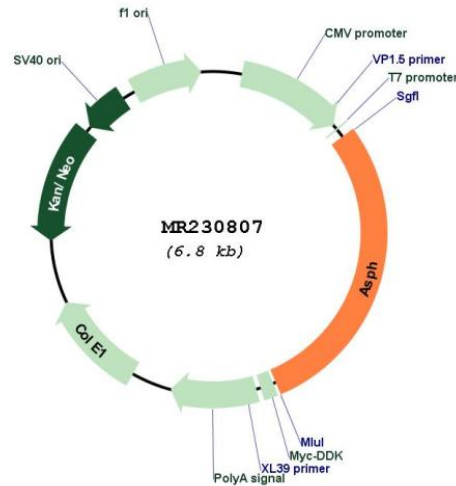
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290367

ORF Size: 1974 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_001290367.1](#), [NP_001277296.1](#)

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|---------------|--|
| RefSeq Size: | 6447 bp |
| RefSeq ORF: | 1977 bp |
| Locus ID: | 65973 |
| UniProt ID: | Q8BSY0 |
| Cytogenetics: | 4 A1 |
| MW: | 75.6 kDa |
| 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] |