

Product datasheet for **MR224418**

Asph (NM_001177851) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asph (NM_001177851) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asph
Synonyms:	2310005F16Rik; 3110001L23Rik; AI848629; AW261690; AW561901; BAH; C79816; cl-37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224418 representing NM_001177851 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCCGCGCAAGAACGCCAAGGGCGGGCGGGCAACAGCAGCAGCAGCGGCAGCGGCAGCGGCTCGG
GCAGCGGTAGCCCGAGCACGGGTAGCAGCGGTAGCAGCAGTAGCCCCGGGGCTCGGAGAGAGGCAAAGCA
CGGAGGACACAAGAATGGGAGAAGAGGAGGGATTCAGGAGGGTCCTTTTTCACATGGTTTCATGGTCATT
GCATTGCTCGGCTCTGGACATCTGTGGCTGTCGTGTGGTTTGACTTGGTCGATTATGAAGAAGTCTAG
GAAAAGTGGAGTCTATGATGCGGATGGCGATGGAGACTTTGATGTGGATGATGCCAAAGTTTTATTAGG
CCTTAAAGAAAGATCTCCTTCTGAGAGGACATTTCCACCGGAGGAGGAGGAGGAGACTCACGCTGAGCTG
GAGGAGCAGGCCCTGAGGGGGCAGACATCCAGAATGTTGAAGATGAAGTAAAGGAACAAATTCAGTCCC
TTCTTCAGGAATCAGTACACACAGACCATGACCTTGAAGCAGATGGGCTGGCAGGAGAACCACAGCCGGA
GGTTGAGGACTTCCTCACAGTGACCGACAGTGTGACAGATTTGAGGACCTGGAACCCGGGACAGTTCAT
GAAGAAATCGAGGATACTTACCATGTGGAAGACACAGCATCGCAGAACCATCAAATGACATGGAAGAGA
TGACGAATGAGCAGGAAAATTCAGAGGAAGTAAGACACCAAGACTATGATGAACCAAGTATATGAACCTC
AGAGCATGAAGGGGTCGCGATTTTCAGATAACACCATAGATGATTCAGCATAATCTCAGAAGAAATAAT
GTCGCCTCTGTTGAAGAACAGCAAGACACACCACAGATACT

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR224418 representing NM_001177851
Red=Cloning site Green=Tags(s)

MAPRKNAKGGGGNSSSSGSGSGSGSPSTGSSGSSSSPGARREAKHGHHKNGRRGGISGGSFFTFWFMVI
 ALLGVWTSVAVVWFDLVDYEEVLGKLGVDADGDGDFDVDDAKVLLGLKERSPSERTFPPEEEAETHAEL
 EEQAPEGADIQNVEDEVKEQIQSLLQESVHTDHDLEADGLAGEPQPEVEDFLTVTDSDDRFEDLEPGTVH
 EEIEDTYHVEDTASQNHNPNDMEEMTNEQENSEEVRHQDYDEPVYEPSEHEGV AISDNTIDDSSIISEEIN
 VASVEEQDTPPDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001177851

ORF Size: 882 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_001177851.1](#), [NP_001171322.1](#)

RefSeq Size: 2877 bp

RefSeq ORF: 885 bp

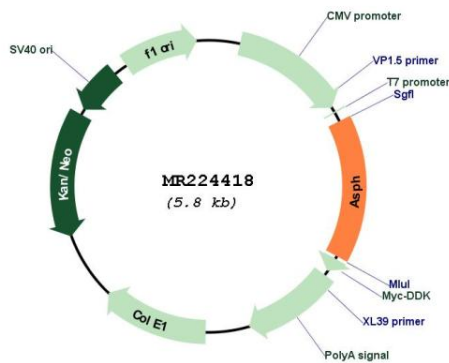
Locus ID: 65973

Cytogenetics: 4 A1

MW: 32.2 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]

Product images:



Circular map for MR224418