

Product datasheet for **MC221099**

Asph (NM_001177849) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asph (NM_001177849) Mouse Untagged Clone
Tag:	Tag Free
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)



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Fully Sequenced ORF: >MC221099 representing NM_001177849
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCCCGCAAGAACGCCAAGGGCGCGCGCAACAGCAGCAGCAGCGGCAGCGGCAGCGGCTCGG
 GCAGCGGTAGCCCGAGCACGGGTAGCAGCGGTAGCAGCAGTAGCCCGGGGCTCGGAGAGAGGCAAAGCA
 CGGAGGACACAAGAATGGGAGAAGAGGAGGATTTTCAGGAGGGTCTTTTTTACATGGTTCATGGTCATT
 GCATTGCTCGGCGTCTGGACATCTGTGGCTGTCGTGTGGTTTGACTTGGTCGATTATGAAGAAGTCTAG
 GAAAAGTGGAGTCTATGATGCGGATGGCGATGGAGACTTTGATGTGGATGATGCCAAAGTTTTATTAGG
 CCTTAAAGAAAGATCTCCTTCTGAGAGGACATTTCCACCGGAGGAGGAGGAGACTCACGCTGAGCTG
 GAGGAGCAGGCCCTGAGGGGCGAGACATCCAGAATGTTGAAGATGAAGTAAAGGAACAAATTCAGTCCC
 TTCTTCAGGAATCAGTACACACAGACCATGACCTTGAAGCAGATGGGCTGGCAGGAGAACCACAGCCGGA
 GGTGAGGACTTCTCACAGTGACCGACAGTGTGACAGATTTGAGGACCTGGAACCCGGGACAGTTCAT
 GAAGAAATCGAGGATACTTACCATGTGGAAGACACAGCATCGCAGAACCATCCAATGACATGGAAGAGA
 TGACGAATGAGCAGGAAAATTCAGAGGAAGTAAGACACCAAGACTATGATGAACCAAGTATATGAACCCCTC
 AGAGCATGAAGGGGTGCGGATTTTCAGATAACACCATAGATGATTCAGCATAATCTCAGAAGAAATAAT
 GTCGCCTCTGTTGAAGAACAGCAAGACACACCACAGTTAAGAAGAAGAAGCCTAAACTTCTGAACAAAT
 TTGATAAGACAATTAAGGCTGAGCTGGATGCTGCAGAAAAGCTCCGAAAAGGGTAAAATTGAGGAAGC
 AGTGAACGCATTTGAAGAAGTGGTTCGAAAAGTACCCTCAGAGCCCAGGCAAGATATGGCAAAGCGCAG
 TGTGAAGATGACTTGGCAGAGAAGCAGAGAAGCAATGAGGTTCTGCGCAGGGCCATCGAGACCTACCAGG
 AGGCACCGACCTGCCTGATGCCCTACAGACCTGGTGAAGTGTGAGCTTGAAGCGAAGGTCGGAACGGCA
 GCAGTTTCTAGGTCACATGAGAGGTTCTCTACTTACCCTCAGAGACTAGTTCAACTGTTCCCTAGTGAT
 ACTACCTTAAAAAACGACCTTGGCGTAGGATACCTCTTGTGGGAGACAACGACAGTGCCAAGAAGGTTT
 ACGAAGAGGTGCTAAATGTGACACCAAATGATGGCTTCGCTAAAGTGCATTACGGCTTCATCCTGAAGGC
 ACAGAACAAGATATCTGAGAGCATTCCCTACTTAAAGGAAGGAATCGAATCTGGGGACCCTGGCACGGAT
 GATGGCCGTTTTACTTCCACTTGGGGATGCCATGCAGAGGGTCGGAACAAAGAGGCATATAAGTGGT
 ATGAACCTGGGCACAAGAGAGGACATTTGCTCTGTCTGGCAGCGTTCCTCTACAATGTGAATGGTCT
 GAAGGCTCAGCCGTGGTGGACACCCAGGAGACTGGCTACACAGAGCTAGTGAAGCTTTAGAGAGAAAC
 TGAAGTTAATCCGTGATGAAGGCTCATGGTGTGGATAAAGCCAAGGGTCTTCTCCTGCCTGAGGACG
 AAAACCTTCGGGAGAAGGGGACTGGAGCCAGTTCACACTGTGGCAGCAAGGAAGGAAGAAATGAGAATGC
 CTGTAAGGAGCGCCTAAGACCTGTGCTTTACTAGAAAAGTTTTCCGAAAACAACAGGATGCAGAAGAGGA
 CAGATCAAATACTCCATCATGCACCCTGGAACCTCATGTGTGGCCGATACAGGACCCACAAACTGCAGGC
 TCCGAATGCATCTGGGGTTAGTGATCCCAAGGAAGGCTGCAAGATCCGGTGTGCCAATGAGACCAGGAC
 GTGGGAAGAAGGCAAGGTGCTCATCTTTGATGACTTTTTGAGCACGAGGTTTGGCAGGATGCCTCGTCT
 TTCGGCTGATATTCATCGTGGATGTGTGGCACCCCGAGCTGACCCTCAGCAGAGACGCAGCCTTCCCG
 CAAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001177849

Insert Size: 2178 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).

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_001177849.1, NP_001171320.1</u>
RefSeq Size:	6640 bp
RefSeq ORF:	2178 bp
Locus ID:	65973
Cytogenetics:	4 A1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant lacks an alternate, in-frame coding exon, compared to variant 1. The resulting protein (isoform 3) is shorter when it is compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>