

## Product datasheet for **MC221237**

### Asph (NM\_023066) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Asph (NM_023066) 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)



[View online »](#)

**Fully Sequenced ORF:** >MC221237 representing NM\_023066  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCCCGCGCAAGAACGCCAAGGGCGCGCGGCAACAGCAGCAGCAGCGGCAGCGGCAGCGGCTCGG  
 GCAGCGGTAGCCCGAGCACGGGTAGCAGCGGTAGCAGCAGTAGCCCGGGGCTCGGAGAGAGGCAAAGCA  
 CCGAGGACACAAGAATGGGAGAAGAGGAGGATTTTCAGGAGGGTCCTTTTTCACATGGTTCATGGTCATT  
 GCATTGCTCGGCGTCTGGACATCTGTGGCTGTCGTGTGGTTTGACTTGGTCGATTATGAAGAAGTCTAG  
 GAAAAGTGGAGTCTATGATGCGGATGGCGATGGAGACTTTGATGTGGATGATGCCAAAGTTTTATTAGG  
 CCTTAAAGAAAGATCTCCTTCTGAGAGGACATTTCCACCGGAGGAGGAGGCAGAGACTCACGCTGAGCTG  
 GAGGAGCAGGCCCTGAGGGGCGAGACATCCAGAATGTTGAAGATGAAGTAAAGGAACAAATTCAGTCCC  
 TTCTTCAGGAATCAGTACACACAGACCATGACCTTGAAGCAGATGGGCTGGCAGGAGAACCACAGCCGGA  
 GGTGAGGACTTCTCACAGTGACCGACAGTGTGACAGATTTGAGGACCTGGAACCCGGGACAGTTCAT  
 GAAGAAATCGAGGATACTTACCATGTGGAAGACACAGCATCGCAGAACCATCCAATGACATGGAAGAGA  
 TGACGAATGAGCAGGAAAATTCAGATCCAGTGAAGCAGTGACAGATGCAGGTGTGCTGCTGCCCATGC  
 AGAGGAAGTAAGACACCAAGACTATGATGAACCAAGTATGAAACCTCAGAGCATGAAGGGGTCGCGATT  
 TCAGATAACACCATAGATGATCCAGCATAATCTCAGAAGAAATAAATGTGCGCTCTGTTGAAGAACAGC  
 AAGACACACCACAGTTAAGAAGAAGAAGCCTAAACTTCTGAACAAATTTGATAAGACAATTAAGGCTGA  
 GCTGGATGCTGCAGAAAAGCTCCGAAAAGGGTAAAAATGAGGAAGCAGTGAACGCATTTGAAGAACTG  
 GTTCGAAAAGTACCCTCAGAGCCCAGGCAAGATATGGCAAAGCGCAGTGTGAAGATGACTTGGCAGAGA  
 AGCAGGAAGCAATGAGTTCTGCGCAGGGCCATCGAGACCTACCAGGAGGCAGCCGACTGCCTGATGC  
 CCTACAGACCTGGTGAAGCTGAGCTTGAAGCGAAGGTCGGAACCGCAGCAGTTTCTAGGTCACATGAGA  
 GGTTCTCTACTTACCCTCCAGAGACTAGTCAACTGTTCCCTAGTGATACTACCTAAAAAACGACCTTG  
 GCGTAGGATACCTCTTGTGGGAGACAACGACAGTGCCAAGAAGGTTTACGAAGAGGTGCTAAATGTGAC  
 ACCAAATGATGGCTTCGCTAAAGTGCATTACGGCTTCATCCTGAAGGCACAGAACAAGATATCTGAGAGC  
 ATCCCTACTTAAAGGAAGGAATCGAATCTGGGGACCCTGGCACGGATGATGGCCGGTTTTACTTCCACT  
 TGGGGGATGCCATGCAGAGGGTCGGGAACAAGAGGCATATAAGTGGTATGAACTTGGGCACAAGAGAGG  
 ACATTTTGCTCTGTCTGGCAGCGTTCCCTCTACAATGTGAATGGTCTGAAGGCTCAGCCGTGGTGGACA  
 CCCAGGGAGACTGGCTACACAGAGCTAGTGAAGTCTTTAGAGAGAACTGGAAGTTAATCCGTGATGAAG  
 GCCTCATGGTGTGATAAAGCCAAAGGGTCTTCTCCTGCCTGAGGACGAAAACCTTCGGGAGAAGGGCGA  
 CTGGAGCCAGTTCACACTGTGGCAGCAAGGAAGGAAGAATGAGAATGCCTGTAAGGAGCGCCTAAGACC  
 TGTGCTTTACTAGAAAAGTTTTCCGAAACAACAGGATGCAGAAGAGGACAGATCAATACTCCATCATGC  
 ACCCTGGAACATGTGTGGCCGCATACAGGACCACAACTGCAGGCTCCGAATGCATCTGGGGTTAGT  
 GATCCCAAGGAAGGCTGCAAGATCCGGTGTGCCAATGAGACCAGGACGTGGGAAGAAGGCAAGGTGCTC  
 ATCTTTGATGACTCTTTTGAACAGAGGTTTGGCAGGATGCCTCGTCTTCCGGCTGATATTCATCGTGG  
 ATGTGTGGCACCCCGAGCTGACCCCTCAGCAGAGACGCAGCCTTCCCGCAATT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_023066  
**Insert Size:** 2226 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_023066.3</a></u> , <u><a href="#">NP_075553.2</a></u>
<b>RefSeq Size:</b>	6688 bp
<b>RefSeq ORF:</b>	2226 bp
<b>Locus ID:</b>	65973
<b>UniProt ID:</b>	<u><a href="#">Q8BSY0</a></u>
<b>Cytogenetics:</b>	4 A1
<b>Gene Summary:</b>	<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 (1) represents the longest transcript and it encodes the longest protein (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>