

## Product datasheet for **MC210255**

### Asph (NM\_001177854) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Asph (NM\_001177854) Mouse Untagged Clone  
**Tag:** Tag Free  
**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  
**Fully Sequenced ORF:** >MC210255 representing NM\_001177854  
**Red=Cloning site Blue=ORF Orange=Stop codon**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCTGAAGATAAAGAGGCAAAGCACGGAGGACACAAGAATGGGAGAAGAGGAGGGATTCAGGAGGGT  
CCTTTTTACATGGTTCATGGTCATTGCATTGCTCGGCGTCTGGACATCTGTGGCTGTCGTGTGGTTGA  
CTTGGTCGATTATGAAGAAGTTCTAGGAAAAGTAGGAGTCTATGATGCGGATGGCGATGGAGACTTTGAT  
GTGGATGATGCCAAAGTTTTATTAGACCTTGAAGCAGATGGGCTGGCAGGAGAACCACAGCCGGAGGTTG  
AGGACTTCCTCACAGTGACCGACAGTGATGACAGATTTGAGGACCTGGAACCCGGGACAGTTCATGAAGA  
AATCGAGGATACTTACCATGTGGAAGACACAGCATCGCAGAACCATCCAATGACATGGAAGAGATGACG  
AATGAGCAGGAAAATTCAGATCCAGTGAAGCAGTGACAGATGCAGGTGTGCTGCTGCCCATGCAGAGG  
AAGTAAGACACCAAGACTATGATGAACCAGTATATGAACCCTCAGAGCATGAAGGGTCCGCGATTCAGA  
TAACCCATAGATGATTCAGCATAATCTCAGAAGAAATAAATGTCGCCTCTGTTGAAGAACAGCAAGAC  
ACACCACCAGATACT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001177854  
**Insert Size:** 648 bp



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<b>OTI Disclaimer:</b>	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_001177854.1</a></u> , <u><a href="#">NP_001171325.1</a></u>
<b>RefSeq Size:</b>	2555 bp
<b>RefSeq ORF:</b>	648 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 (9) has multiple differences which result in distinct UTRs and coding end regions, compared to variant 1. The resulting protein (isoform 9) is shorter and has distinct N- and C-termini 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>