

## Product datasheet for MR223588

### Asph (NM\_001177850) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Asph (NM\_001177850) 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:** >MR223588 representing NM\_001177850  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCCCGCGCAAGAACGCCAAGGGCGGGCGGCAACAGCAGCAGCAGCGGCAGCGGCAGCGGCTCGG  
 GCAGCGGTAGCCCGAGCACGGGTAGCAGCGGTAGCAGCAGTAGCCCCGGGGCTCGGAGAGAGGCAAAGCA  
 CGGAGGACACAAGAATGGGAGAAGAGGAGGGATTCAGGAGGGTCCTTTTTCACATGGTTCATGGTCATT  
 GCATTGCTCGGCTCTGGACATCTGTGGCTGTCGTGTGGTTTGACTTGGTCGATTATGAAGAAGTCTAG  
 GAAAAGTACTAGGAGTCTATGATGCGGATGGCGATGGAGACTTTGATGTGGATGATGCCAAAGTTTTATTAGG  
 CCTTAAAGAAAGATCTCCTTCTGAGAGGACATTTCCACCGGAGGAGGAGGAGACTCACGCTGAGCTG  
 GAGGAGCAGGCCCTGAGGGGGCAGACATCCAGAATGTTGAAGATGAAGTAAAGGAACAAATTCAGTCCC  
 TTCTTCAGGAATCAGTACACACAGACCATGACCTTGAAGCAGATGGGCTGGCAGGAGAACCACAGCCGGA  
 GGTTGAGGACTTCCTCACAGTGACCGACAGTGATGACAGATTTGAGGACCTGGAACCCGGGACAGTTCAT  
 GAAGAAATCGAGGATACTTACCATGTGGAAGACACAGCATCGCAGAACCATCAAATGACATGGAAGAGA  
 TGACGAATGAGCAGGAAAATTCAGATCCAGTGAAGCAGTGACAGATGCAGGTGTGCTGCTGCCCATGC  
 AGAGGAAGTAAGACACCAAGACTATGATGAACCAAGTATATGAACCCTCAGAGCATGAAGGGTTCGCGATT  
 TCAGATAACACCATAGATGATTCAGCATAATCTCAGAAGAAATAATGTGCGCTCTGTTGAAGAACAGC  
 AAGACACACCACAGATACT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR223588 representing NM\_001177850  
 Red=Cloning site Green=Tags(s)

MAPRKNAKGGGGNSSSSGSGSGSGSPSTGSSGSSSSPGARREAKHGHHKNGRRGGISGGSFFTFWFMVI  
 ALLGVWTSVAVVWFDLVDYEEVLGKLGVDADGDGDFDVDDAKVLLGLKERSPSERTFPPEEEAETHAEL  
 EEQAPEGADIQNVEDEVKEQIQSLLQESVHTDHDLEADGLAGEPQPEVEDFLTVTDSDDRFEDLEPGTVH  
 EEIEDTYHVEDTASQNHPNMMEEMTNEQENS DPSEAVTDAGVLLPHAAEEVRHQDYDEPVYEPSEHEGVAI  
 SDNTIDSSIIISEEINVASVEEQDTPPDT

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\_001177850

**ORF Size:** 930 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\\_001177850.1](#), [NP\\_001171321.1](#)

**RefSeq Size:** 2925 bp

**RefSeq ORF:** 933 bp

**Locus ID:** 65973

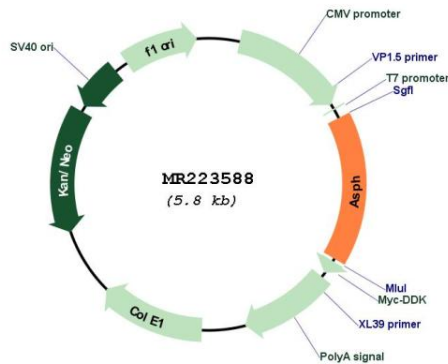
**UniProt ID:** [Q8BSY0](#)

**Cytogenetics:** 4 A1

**MW:** 33.8 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 MR223588