

Product datasheet for **MR223585**

Asph (NM_023066) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR223585 representing NM_023066
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCCGCGCAAGAACGCCAAGGGCGCGCGGCAACAGCAGCAGCAGCGGCAGCGGCAGCGGCTCGG
 GCAGCGGTAGCCCGAGCACGGGTAGCAGCGGTAGCAGCAGTAGCCCCGGGGCTCGGAGAGAGGCAAAGCA
 CGGAGGACACAAGAATGGGAGAAGAGGAGGATTTTCAGGAGGGTCTTTTTTCACATGGTTCATGGTCATT
 GCATTGCTCGGCGTCTGGACATCTGTGGCTGTCGTGTGGTTTGACTTGGTCGATTATGAAGAAGTCTAG
 GAAACTAGGAGTCTATGATGCGGATGGCGATGGAGACTTTGATGTGGATGATGCCAAAGTTTTATTAGG
 CCTTAAAGAAAGATCTCCTTCTGAGAGGACATTTCCACCGGAGGAGGAGGCAGAGACTCACGCTGAGCTG
 GAGGAGCAGGCCCTGAGGGGGCAGACATCCAGAATGTTGAAGATGAAGTAAAGGAACAAATTCAGTCCC
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 GGTGAGGACTTCTCACAGTGACCGACAGTGTGACAGATTTGAGGACCTGGAACCCGGGACAGTTCAT
 GAAGAAATCGAGGATACTTACCATGTGGAAGACACAGCATCGCAGAACCATCCAATGACATGGAAGAGA
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 AGAGGAAGTAAGACACCAAGACTATGATGAACCAAGTATGTAACCCCTCAGAGCATGAAGGGGTCGCGATT
 TCAGATAACACCATAGATGATTCAGCATAATCTCAGAAGAAATAATGTGCGCTCTGTTGAAGAACAGC
 AAGACACACCACAGTTAAGAAGAAGAAGCCTAAACTTCTGAACAAATTTGATAAGACAATTAAGGCTGA
 GCTGGATGCTGCAGAAAAGCTCCGAAAAGGGTAAAAATGAGGAAGCAGTGAACGCATTTGAAGAACTG
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 AGCAGAGAAGCAATGAGGTTCTGCGCAGGGCCATCGAGACCTACCAGGAGGCAGCCGACCTGCCTGATGC
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 GGTTCCTACTTACCCTCCAGAGACTAGTCAACTGTTCCCTAGTGATACTACCTAAAAAACGACCTTG
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 ATTCCTACTTAAAGGAAGGAATCGAATCTGGGACCCTGGCACGGATGATGGCCGGTTTTACTTCCACT
 TGGGGGATGCCATGCAGAGGGTCGGGAACAAGAGGCATATAAGTGGTATGAACTTGGGCACAAGAGAGG
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 CCCAGGGAGACTGGCTACACAGAGCTAGTGAAGTCTTTAGAGAGAACTGGAAGTTAATCCGTGATGAAG
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 CTGGAGCCAGTTCACACTGTGGCAGCAAGGAAGGAAGAATGAGAATGCCTGTAAGGAGCGCCTAAGACC
 TGTGCTTTACTAGAAAAGTTTTCCGAAACAACAGGATGCAGAAGAGGACAGATCAATACTCCATCATGC
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 GATCCCCAAGGAAGGCTGCAAGATCCGGTGTGCCAATGAGACCAGGACGTGGGAAGAAGGCAAGGTGCTC
 ATCTTTGATGACTCTTTTGGACAGAGGTTTGGCAGGATGCCTCGTCTTCCGGCTGATATTCATCGTGG
 ATGTGTGGCACCCGAGCTGACCCCTCAGCAGAGACGCAGCCTTCCCGCAATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223585 representing NM_023066
Red=Cloning site Green=Tags(s)

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MAPRKNAGGGGNSSSSGSGSGSGSPSTGSSGSSSSPGARREAKHGHHKNGRRGGISGGSFFTFWFMVI
ALLGVWTSVAVVWFDLVDYEEVLGKLGVDADGDGDFDVDDAKVLLGLKERSPSERTFPPEEEAETHAEL
EEQAPEGADIQNVEDVEKEIQSLLQESVHTDHDLEADGLAGEPQPEVEDFLTVTDSDDRFEDLEPGTVH
EEIEDTYHVEDTASQNHPPNDMEEMTNEQENS DPSEAVTDAGVLLPHAEVVRHQDYDEPVYEPSEHEGVAI
SDNTIDSSIIISSEINVASVEEQDTPPVKKKPKLLNKFDKTIKAELDAAEKLKRGKIEEAVNAFEEL
VRKYPQSPRARYGKAQCEDDLAEKQRSNEVLRRAIETYQEAADLPAAPTDLVKLSLKRRSERQQFLGHMR
GSLTTLQRLVQLFSDTTLKNDLGVGYLLLGDNSAKKVYEEVLNVTNPDGFAKVHYGFIKAQNKISES
IPYLKEGIESGDPGTDGRFYFHLGDAMQVRGNKEAYKWYELGHKRGHFASVWQRSLYVNLGKAQPWWT
PRETGYTELVKSLERNWKLIRDEGLMVMKAKGLFLPEDENLREKGDWSQFTLWQQGRKNENACKGAPKT
CALLEKFSETTGCRGQIKYSIMHPGTHVWPHGTPTNCRMLMHLGLVIPKEGCKIRCANE TRTWEEGKVL
IFDSSFHEHVQDASSFRLIFIVDVVHPELTPQRRSLPAI
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9004_d03.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

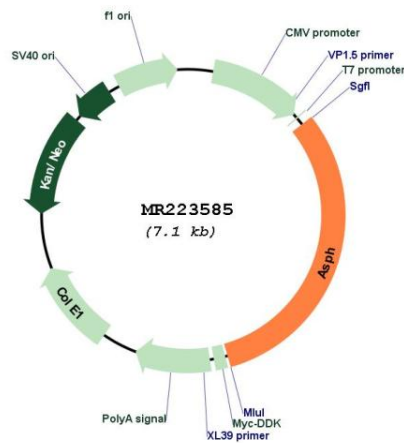
ACCN: NM_023066

ORF Size: 2223 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:	<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_023066.3, NP_075553.2</u>
RefSeq Size:	6688 bp
RefSeq ORF:	2226 bp
Locus ID:	65973
UniProt ID:	<u>Q8BSY0</u>
Cytogenetics:	4 A1
MW:	83.5 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 MR223585