

Product datasheet for MC223725

Asap1 (NM_010026) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asap1 (NM_010026) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Asap1
Synonyms:	AV239055; Ddef1; DEF-1; mKIAA1249; PAP; s19
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223725 representing NM_010026 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGATCTTCAGCCTCCCGGCTCTCCAGTTTTCTCCAGAGATTCACTATGGAATCGGATGCCGGACC
AGATCTCCGTGTCGAGTTCATCGCCGAGACCACCGAGGACTACAACCGCCACCAGTCCAGCTTCAC
CAGCGGCTGCACAACCTGCAGGAACACCGTCACGCTGCTGGAGGAGGCTCTAGACCAAGATAGAACGCC
CTACAGAAAGTGAAGAAATCTGTAAAAGCAATATAATAATTCGGTCAAGATCATGTACAAAATGAAGAAA
ACTATGCACAAGTCTGGATAAGTTTGGAAAGTAAATTTTTAAGCAGAGACAACCTTGACCTTGGCACCGC
TTTTGTCAAGTTTTCTACTCACAAGGAAGTGTCCAGCTGCTGAAAAATCTGCTCCAGGGTCTGAGC
CACAATGTGATCTTACCTTGGATTCTTGTAAAAGGAGACTTGAAGGGGGTCAAAGGAGATCTCAAGA
AGCCATTTGACAAAGCCTGAAAAGATTATGAGACGAAGTTTACAAAAATTGAGAAGGAGAAAAGAGAGCA
CGCAAAACAGCACGGGATGATCCGAACAGAGATAACAGGCGCTGAGATTGCAGAAGAAATGAAAAAGGAA
CGGCGGCTTTTTCAGCTCCAGATGTGTGAATATCTCATTAAAGTAAATGAAATCAAGACCAAAAAGGGTG
TGGACCTGCTGCAGAACCTTATAAGTATTACCATGCACAGTCAATTTCTTTTCAGGATGGCTTAAAAAC
GGCTGATAAACTGAAACAGTACATAGAAAAGCTGGCTGCTGACTTATATAATATAAAGCAAACCCCAAGAT
GAAGAAAAAAAACAGCTAACTGCACTCCGAGATCTAATAAAATCCTCTCTGCAACTTGATCCGAAAAGAG
TAGGTGGTTTATATGTTGCCAGCAGGGCTAACAGTTCTAGAAGAGACTCTCAGAGCCGGCAAGTGGGTA
CAGCATGCATCAGCTCCAGGGCAACAAGGAGTACGGCAGTAAAAAGAGGGCTTCTGCTGAAGAAGAGT
GATGGGATCCGAAAAGTGTGGCAGAGACGGAAGTGTGCGGTCAAGAACGGGATCTGACCATCTCCACG
CAACTTCAACAGGCAGCCTGCTAAGTTAAACCTCCTCACCTGCCAAGTGAACCGAATGCTGAGGACAA
GAAGTCTTTTTCAGCTGATATCACATAATCGAACATATCACTTTCAAGCAGAAGATGAGCAGGATTATATA
GCGTGGATATCAGTACTGACGAATAGCAAAGAAGAGGCCCTAACCATGGCCTTCCGTGGTGAGCAGAGCA
CAGGGGAGAAATAGCCTGGAGGACCTTACCAAAGCCATCATCGAGGATGTACAGCGGCTCCCTGGGAATGA
CATCTGCTGTGACTGCGGCTCATCAGAACCACGTGGCTTTCAACCAACTGGGTATTTTTCAGCTGTATA
GAATGTTCCGGAATCCATAGGAAATGGGGTTTCAATTTCTCGCATTAGTCTTTGAACTAGACAAAT



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TAGGAACTCCGAACTCTTGCTGGCCAAGAATGTAGGAAACAATAGTTTTAATGATATTATGGAAGCAAA
 TTTACCCAGCCCTTACCAAAGCCACCCCTTCAAGTGATATGACCGTGCGTAAAGAGTACATCACTGCA
 AAGTATGTCGACCACCGCTTCTCCAGGAAGACCTGTGCCTCTTCTCAGCAAAGCTGAACGAATTGCTTG
 AGGCCATCAAGTCCAGGGACTTACTTGCATTAATCCAAGTCTATGCAGAGGGGTGGAGTTAATGGAGCC
 ACTGCTGGAACCTGGGCAGGAGCTCGGGGAGACAGCCCTCATCTTGCCGTCAGGACCCGAGACCAGACA
 TCTCTCCATCTGGTTGATTTCTTGTACAAAACCTGTGGAACTGGATAAGCAAACGTCTGTGGGAATA
 CAGTTCTGCACATTGACAGATGTACGGCAAGCCGGAGTGTCTGAAGCTGCTGTAGGAGCAAGCCAC
 CGTGGACATCGTTAACCAGAATGGAGAACTGCCTTGGATATAGCAAAGAGACTCAAAGCTACCCAGTGT
 GAAGATCTGCTTTCCAGGCTAAATCTGAAAAGTTCAACCCTCATGTCCCGTAGAGTATGAGTGAATC
 TTCGACAGGACGAGATGGATGAGAGCGATGACGATCTGGATGACAAGCCAAGCCCGATCAAAAAGGAACG
 CTCGCCAGACCAGAGCTTCTGCCACTCTCCAGCATCTCGCCACAGGACAAGCTGGCACTGCCAGGG
 TTCAGCACTCCACGGGACAAGCAGCGGCTCTCTACGGAGCCTTACCAACCAGATCTTCGCCTCTACGA
 GCACAGATTTGCCACATCACCCACCAGTGAGGCTCCCCCTTGGCCACCTCGAACGCCGGGAAAGGTCC
 AACTGGCCACCTTCAACTCCCTCTAGGACCCAGACCTCTAGTGGCAGCTCCACCCTATCCAAGAAG
 AGGCCTCTCCCCACCACCAGGACACAAGAGAACCCTGTCTGACCTCCAGCCCACTACCTCACGGGC
 CCCCAAACAAAGCGCAATTCTTGGGGTAAATGATGTGGGCCATTATCTCAAGTAAGACGGCCAAACA
 GTTTGAGGGGCTGTCTCAGCAAGCAAGCACCAGTTCTGCTAAGACTGCCCTTGGCCCGAGAGTGTTCTCT
 AAATACTCAGAAAGTGGCACTAAGGAAGACGGAGACCAGCCATCATCTCTCCCTCGACAGAACCAACA
 TCCCACCTGAGACTTTTCAGAAATCATCACAGTTGACAGAGTTACCCCAAAGCCACCCTTGGAGAGCT
 GCCCCGAAGCCTGTGGAAGTGGCCCCAAGCCCAAGTTGGAGAGCTGCCACCTAAGCCTGGAGAGCTA
 CCCCTAAGCCCCAATTAGGTGACCTGCCCCCAAGCCACAGCTCTCAGACTTACCTCCAAGCCACAGA
 TGAAGGACCTGCCCTAAGCCGACCTGGGGGATCTGCTGGCAAAGTCCAGGCTGGCGATGTCTCAGC
 CAAGGTGCAGCCACCCTCAGAGTCCACACAGAGTCCACACACCGGGGATCTGTCTCAAATGTACAGTCC
 AGAGATGCCATCCAGAAGCAAGCATCTGAAGACTCCAACGACCTCACACCACGCTGCCAGAGACACCCG
 TACCCTGCCGAGAAAAATCAATACGGGAAAAATAAAGTGAGGCGGGTGAAGACATTTATGACTGCCA
 GGCAGATAATGACGACGAACTCACATTTATTGAGGGGAAGTGATCATTGTACCAGGGGAAGAGGACCAG
 GAGTGGTGGATCGGGCATATCGAAGGACAGCCTGAAAGGAAGGGTGTCTTCCAGTGTCTTTGTCCACA
 TCCTGTCTGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_010026
- Insert Size:** 3444 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:

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_010026.3](#), [NP_034156.2](#)

RefSeq Size: 6281 bp

RefSeq ORF: 3444 bp

Locus ID: 13196

UniProt ID: [Q9QWY8](#)

Cytogenetics: 15 D1

Gene Summary: May function as a signal transduction protein involved in the differentiation of fibroblasts into adipocytes and possibly other cell types. Plays a role in ciliogenesis (By similarity). Possesses phosphatidylinositol 4,5-bisphosphate-dependent GTPase-activating protein activity for ARF1 (ADP ribosylation factor 1) and ARF5 and a lesser activity towards ARF6. May coordinate membrane trafficking with cell growth or actin cytoskeleton remodeling by binding to both SRC and PIP2.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).