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Product datasheet for RN201663

Asap1 (NM_001044245) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asap1 (NM_001044245) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Asap1
Synonyms:	Ddef1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN201663 representing NM_001044245 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGATCTTCAGCCTCCCGGCTCTCCAGTTTTTCCTCAAGAGATTCACTATGGAATCGGATGCCGGACC AGATCTCCGTGTCCGAGTTCATCGCCGAGACCACCGAGGACTACAACTCGCCCACCACGTCCAGCTTCAC CACGCGGCTGCACAACTGCAGGAACACCGTCACGCTGCTGGAGGAGGCTCTAGACCAAGATAGAACAGCC CTCCAGAAAGTGAAGAAATCTGTGAAAGCAATATATAATTCTGGTCAAGATCATGTACAAAATGAGGAAA ACTATGCACAAGTTCTGGATAAGTTTGGAAGTAATTTTTTAAGCAGAGACAACCCTGACCTGGGCACTGC TTTTGTCAAGTTTTCTACACTTACAAAGGAACTGTCCACGCTGCTGAAAAATCTGCTCCAGGGTCTGAGC CACAATGTGATCTTCACCTTGGATTCCTTGTTAAAAGGAGACCTGAAGGGGGTCAAAGGAGATCTCAAGA AGCCATTTGACAAAGCCTGGAAAGATTATGAGATGAAGTTTACAAAAATCGAGAAGGAGAAAAGAGAGCA CGCAAAACAGCACGGGATGATCCGAACAGAGATAACAGGAGCTGAGATTGCAGAAGAAATGGAAAAGGAA CGGCGGCTTTTTCAGCTCCAGATGTGTGAATATCTCATTAAAGTTAATGAAATCAAGACCAAAAAGGGTG TGGACCTGCTGCAGAACCTCATAAAGTATTATCATGCACAATGCAATTTCTTTCAGGATGGCTTGAAAAC AGCTGATAAACTGAAACAGTACATTGAAAAGCTGGCTGCTGACTTATATAATATAAAGCAAACCCAAGAT GAAGAAAAGAAACAGTTAACTGCACTCCGAGACCTAATAAAATCCTCTCTGCAGCTTGATCCGAAAGAAG TAGGTGGTTTATATGTTCCCAGCAGGGCTAACAGTGACTCTCAGAGCCGGCAAGGTGGCTACAGTATGCA TCAGCTCCAGGGCAACAAGGAGTATGGCAGTGAAAAGAAGGGCTTTCTGCTGAAGAAGAGTGACGGGATC CGGAAAGTGTGGCAAAGAAGGAAGTGTGCTGTCAAGAATGGGATACTGACCATTTCACATGCAACTTCCA ACAGGCAGCCTGCTAAGTTAAACCTCCTCACCTGCCAGGTGAAACCGAATGCTGAGGACAAGAAGTCTTT TGACCTGATATCACATAATCGAACATATCACTTTCAGGCAGAAGACGAGCAGGACTATGTAACGTGGATA TCAGTACTGACGAATAGCAAAGAAGAGGCCCTAACCATGGCCTTCCGTGGTGAGCAGAGCACAGGGGAGA ATAGCCTGGAGGATCTGACCAAAGCCATCATTGAGGATGTACAGCGACTCCCTGGGAATGACATCTGCTG TGACTGTGGCTCATCAGAACCCACATGGCTTTCCACCAACTTGGGTATTTTGACCTGTATAGAATGTTCC GGAATCCATAGGGAAATGGGGGTTCATATTTCTCGCATTCAGTCTTTGGAACTAGACAAATTAGGAACTT

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CTGAACTCTTGCTGGCCAAGAATGTAGGAAACAATAGTTTTAATGATATTATGGAAGCAAATTTACCCAG
CCCTTCACCAAAGCCCACCCCTTCAAGTGATATGACTGTACGGAAAGAGTACATCACTGCAAAGTATGTT
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ATTGGGCATATCGAAGGACAGCCTGAAAGGAAGGGTGTCTTTCCAGTGTCCTTTGTTCACATCCTGTCTG
ACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001044245

Insert Size: 3435 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_001044245.1, NP_001037710.1

RefSeq Size: 3435 bp

RefSeq ORF: 3435 bp

Locus ID: 314961

UniProt ID: Q1AAU6

Cytogenetics: 7q33

Gene Summary: 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. 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).[UniProtKB/Swiss-Prot Function]