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Product datasheet for MC229327

Smarca1 (NM_001290708) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smarca1 (NM_001290708) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Smarca1
Synonyms:	5730494M04Rik; Snf2l
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229327 representing NM_001290708 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGAGCCGGACACGGCCACAGAGGCAGCCACCGTGGCAGTTTCGGATGCCAGAGCCACAGTCGTGGTTG TAGAGGATGAGCAGCCCGGGCCGTCCACCTTTAAAGAGGAGGGAGCGGCTGCTGCCGCCACCGAAGGCAC CACGGCCACTGAGAAGGGCGAGAAGAAGGAGAAAATCACTTCTCCATTTCAACTCAAACTTGCTGCTAAA GCTTCCAAATCTGAAAAGGAAATGGATCCAGAATATGAAGAGAAAATGGTAAATATGCCCTTGAAAGCAG ACCGCGCAAAGAGATTTGAGTTTTTACTGAAGCAGACGGAACTTTTTGCACATTTCATTCAGCCTTCAGC ACAGAAGTCTCCAACATCTCCTCTCAACATGAAACTGGCTCGTCCTCGAGTAAAGAAAGATGACAAGCAG AGCTTGATTTCCGTTGGAGACTATCGCCACAGGCGTACAGAACAAGAAGAGGATGAGGAGCTTCTCTCAG AGAGTAGGAAAACATCGAATGTGTGTGTCAGATTCGAGGTCTCCCCTTCCTATGTGAAAGGAGGACCGCT GAGAGATTATCAGATCCGAGGACTAAACTGGTTGATTTCTTTGTATGAAAATGGAGTCAATGGTATTTTA GCTGATGAAATGGGTCTTGGGAAGACTTTACAAACCATTGCCTTGCTTGGTTACCTGAAGCACTACAGAA ACATTCCTGGACCCCACATGGTTTTAGTTCCCAAGTCTACTTTACATAACTGGATGAATGAATTTAAACG ATGGGTTCCATCTCTCCGTGTTATTTGTTTCGTTGGAGACAAAGATGTGAGAGCAGCTTTTATTCGTGAT GAAATGATGCCAGGAGAGTGGGATGTTTGCGTGACTTCTTATGAGATGGTAATTAAAGAAAAATCTGTGT TTAAAAAGTTTCACTGGCGATACTTAGTCATCGATGAAGCTCACAGAATAAAAAATGAAAAATCTAAGCT TTCAGAGATTGTTCGTGAGTTCAAGTCAACTAATCGCTTACTTCTAACTGGGACACCTTTGCAGAATAAC TTGCATGAGCTCTGGGCATTACTTAATTTTTTATTGCCGGATGTCTTTAATTCTGCAGATGACTTTGATT CTTGGTTTGACACTAAAAATTGCCTTGGTGATCAAAAGCTTGTGGAAAGACTCCATGCAGTTTTAAAACC ATTTTTGTTACGCCGGATAAAAACCGATGTAGAGAAGAGTCTGCCTCCTAAGAAGGAAATAAAGATTTAC TTGGGCCTGAGTAAAATGCAACGAGAATGGTATACAAAAATTCTGATGAAAGATATTGATGTCTTAAACT CTTCTGGCAAGATGGACAAGATGCGACTCTTGAATATTCTGATGCAGCTCCGAAAGTGTTGTAATCATCC TTATCTGTTTGATGGAGCAGAGCCTGGTCCACCTTATACGACAGATGAGCACATTGTCGGCAATAGTGGT AAAATGGTCGCTCTGGATAAGCTATTGGCGAGAATTAAAGAACAGGGATCAAGAGTTCTCATCTTTAGCC

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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AGATGACTCGACTGTTAGACATTTTGGAGGATTATTGTATGTGGCGTGGTTATGAGTATTCTCGACTGGA
TGGACAAACCCCACATGAAGAAAGAGAGGAAGCGATAGATGCCTTCAATGCTCCAAATAGCAGCAAATTC
ATCTTTATGCTGAGTACTAGGGCTGGAGGACTCGGAATTAACTTGGCAAGTGCTGATGTGGTCATCCTAT
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CATGGAGTATTCAGCTGTATTTTGGGAACGCTGCAATGAATTACAGGACATTGAGAAAATTATGGCTCAA
ATTGAACGTGGAGAAGCAAGAATTCAGCGAAGGATCAGTATTAAGAAAGCACTGGATGCCAAAATTGCAA
GATACAAGGCTCCATTTCATCAGTTGCGTATTCAGTATGGAACCAGTAAAGGAAAGAACTATACTGAAGA
GGAAGACAGATTCTTGATCTGTATGTTACACAAAATGGGTTTTGACAGAGAAAATGTATATGAAGAATTA
AGGCAGTGTGTACGGAATGCTCCCCAGTTTAGATTTGACTGGTTCATCAAGTCGAGAACTGCCATGGAAT
TTCAGAGACGCTGTAATACTTTGATTTCATTGATTGAAAAAGAAAATATGGAAATTGAGGAAAGAGAGAG
AGCAGAAAAGAAGAAACGGGCAACTAAAACTCCAATGTCACAGAAAAGAAAAGCAGAGTCAGCTACTGAG
AGCTCTGGAAGGAAGGATGTCAAGAAGGTGAAATCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001290708

Insert Size: 3189 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001290708.1, NP_001277637.1
RefSeq Size:	4024 bp
RefSeq ORF:	3189 bp
Locus ID:	93761
UniProt ID:	Q6PGB8
Cytogenetics:	X A4
Gene Summary:	Energy-transducing component of the NURF (nucleosome-remodeling factor) and CERF (CECR2-containing-remodeling factor) complexes, which facilitate the perturbation of chromatin structure in an ATP-dependent manner.[UniProtKB/Swiss-Prot Function]