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Product datasheet for SC125732

SCAMP4 (BC011747) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCAMP4 (BC011747) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCAMP4
Synonyms:	FLJ33847; FLJ90105; SCAMP-4; secretory carrier membrane protein 4
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for BC011747 edited
GCGCTGCGCTCGCGCCCGGATCCCTCAGGCGGCTGCAGGCTTCAGCCTGCGCTGGTTGGT
GAAACAGAGATGTCAGAAAAGGAGAACAACTTCCCGCCACTGCCCAAGTTCATCCCTGTG
AAGCCCTGCTTCTACCAGAACTTCTCCGACGAGATCCCAGTGGAGCACCAGGTCCTGGTG
AAGAGGATCTACCGGCTGTGGATGTTTTACTGCGCCACCCTCGGCGTCAACCTCATTGCC
TGCCTGGCCTGGTGGATCGGCGGAGGCTCGGGGACCAACTTCGGCCTGGCCTTCGTGTGG
CTGCTCCTGTTCACGCCTTGCGGCTACGTGTGCTGGTTCCGGCCTGTCTACAAGGCCTTC
CGAGCCGACAGCTCCTTTAATTTCATGGCGTTTTTCTTCATCTTCGGAGCCCAGTTTGTC
CTGACCGTCATCCAGGCGATTGGCTTCTCCGGCTGGGGCGCGTGCGGCTGGCTGTCGGCA
ATTGGATTCTTCCAGTACAGCCCGGGCGCTGCCGTGGTCATGCTGCTTCCAGCCATCATG
TTCTCCGTGTCGGCTGCCATGATGGCCATCGCGATCATGAAGGTGCACAGGATCTACCGA
GGGGCTGGCGGAAGCTTCCAGAAGGCACAGACGGAGTGGAACACGGGCACTTGGCGGAAC
CCACCGTCGAGGGAGGCCCAGTACAACAACTTCTCAGGCAACAGCCTGCCCGAGTACCCC
ACTGTGCCCAGCTACCCGGGCAGTGGCCAGTGGCCTTAGAGGGAGCCTGCCCTGCCCCCA
CCGCCCACCACCTCCTCCCCTTCATTCCTGCTGCTACCCCTGGTCCCGAGGGCTGGGAGT
ACCTGGGGCCCCATCCCCCCAGCTGGGATGGTGGAAGCCGGTGGTGGCCACGGACCGCCC
CCCTCCTGCCAGGGCCACAGAACCCGTGTTCATCTCATCCGAGAGCGGAGTTCCTCACAA
GCACTCCCCAGCAGCCCTTGGCCTCTGCCGTCCACAGGACGCCCTCTTGCTCCCGGAAAC
GTGTGGTCACCCGCCGTCCACTGCACGGCTGGTACGGCCTTGTCTTCAGGTCTCGAGGCC
TGACTCCGGGGGACAGGTGGCAGCAGGTCGGCCGCCCTCCCGTCCTCCAAGAGCTGCTGG
CGCTGAGGTCAGAGCGGGTCTGATGGGGAGCTCCGTCTCACCGGCCACCCGCCGTCACCA
TGGCAGATGCCCTTGGCCGGAACTAATAAGAGGCGTCGGGGCCAGCTTCCGGTCCCCTGC
AGTGATAGAGGGCTTGGTGCCTAGCTGAGTCCTCGCTGTCCCCGCCATCCCCTGATCTGT
GCGGCTCCAGCCTCGCCCCCTCCCCACGTGCACCATACCTGGGGAGTTCCTGGTCCAGGG
TATCCTGGGGCCACCCTCCCTGCCTCCAAAACAGGGATCCCTGGCAGGCTGTCTTTCCAC
GCCCCTGAGTTCAGAGTCGGGGACCCAGGCCAGGTCGGGAGCACAGCCGCTCCCCAAACC
CAGCAAACCGGCAGAGAGCCGGTTTCCCAGCAGCCGGAGCCCTGCAGGAGAGGCCTTTGT
GTTTTGTTTTGTTTTGTTTTTTCTCTTTTGAGACAGAGTTTCACTCTGTCGCCCAGGCTG
GAGTGCAGTGGTGTGATCTCGGCTCACTGCAACCTCTGCCTCCCGTGTTCAAGCAGTTCT
CCTGCCTCAGCCTCCCAAATAGCTGGGATTACAGTTGCCTGCCACCACGCCCAGCTAATT
TTTATATTTTTAGTACAGATGGGGTTTCACCATGTTGGCCAGGCTGGTCTCGAACTCCTG
ACCTCAAGTGATCCACCCGCCTTGGCCTCCCAAAGTGCTGGGATAATAGGTGTCAGCCAC
CGCGCCCAGCCTGGAGTGGCCTTTTATGAGAGGGGACCCGTCAAATCTGTGCCTTATGGA
GGGGTCCGGCAGCGGCCACAATTGTCTTGTCCCCTCACCCCCCAACTCCCCCTGGAACAC
CTCTCCCAGGCAAGACATTTTCACAGCACCATTCACAACGGTTGGGCCAAAAAGAAACTT
TTCCTTCATCATTTCCTGCACTCGCTGACCACAACTTTGGACACCCCAGGCTGCCACCCC
TCCCCACCCGTTCACCCCCAGGATGCTGTTGCTGTAGGACGCCTGCTGCCCTGGAGCCCT
CCCCAGGATGTGAGCCAGTCCCCTCGCTGGTACGGAATGCCGCTGGGTGCCCGGAGGCGG
CCATGGTGTCTCGATGGACGGCAGCCAGGATGGAGCACCCATGGGTCTCACGGCCATGCT
TCAGGGTCTTCAGGTCCTGCCCCCGGCCAGTCTGCCAAGAGGCACCCCCTTCCCCAGCCT
CTCGCCTGCACTGATGCAGACAAAATCTCACCTGGCAGGCCCAACCCCCCCCACCCCTCC
CCCGCCGTGTGTGGCTCCTCGCCGCATCGTTGGGGTTTTGTTATGTGAAAATATCCTGGA
AATAAATACATGTTTCTGCACTTAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for BC011747 unedited
NGTGAAGTCAGACTTTGTAAACGACTCACTATAGGCGGCCGCGAATTCGCACGAGGGCGC
TGCGCTCGCGCCCGGCTCCCTCAGGCGGCTGCAGGCTTCAGCCTGCGCTGGTTGGTGAAA
CAGAGATGTCAGAAAAGGAGAACAACTTCCCGCCACTGCCCAAGTTCATCCCTGTGAAGC
CCTGCTTCTACCAGAACTTCTCCGACGAGATCCCAGTGGAGCACCAGGTCCTGGTGAAGA
GGATCTACCGGCTGTGGATGTTTTACTGCGCCACCCTCGGCGTCAACCTCATTGCCTGCC
TGGCCTGGTGGATCGGCGGAGGCTCGGGGACCAACTTCGGCCTGGCCTTCGTGTGGCTGC
TCCTGTTCACGCCTTGCGGCTACGTGTGCTGGTTCCGGCCTGTCTACAAGGCCTTCCGAG
CCGACAGCTCCTTTAATTTCATGGCGTTTTTCTTCATCTTCGGAGCCCAGTTTGTCCTGA
CCGTCATCCAGGCGATTGGCTTCTCCGGCTGGGGCGCGTGCGGCTGGCTGTCGGCAATTG
GATTCTTCCAGTACAGCCCGGGCGCTGCCGTGGTCATGCTGCTTCCAGCCATCATGTTCT
CCGTGTCGGCTGCCATGATGGCCATCGCGATCATGAAGGTGCACAGGATCTACCGAGGGG
CTGGCGGAAGCTTCCAGAAGGCACAGACGGAGTGGAACACGGGCACTTGGCGGAACCCAC
CGTCGAGGGAGGCCCAGTACAACAACTTCTCAGGCAACAGCCTGCCCGAGTACCCCACTG
TGCCCAGCTACCCGGGCAGTGGCCAGTGGCTTTAGAGGAGCCTGCCCTGCCCCACCGCCA
CACCTCCTCCCTTTATTCTGCTGCTACCCTGGTCCCGAGGGCGG

Restriction Sites: Please inquire

ACCN: BC011747

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: BC011747.2, AAH11747.1

RefSeq Size: 2503 bp

Locus ID: 113178

Cytogenetics: 19p13.3

Gene Summary: Secretory carrier membrane proteins (SCAMPs) are widely distributed integral membrane proteins implicated in membrane trafficking. Most SCAMPs (e.g., SCAMP1; MIM 606911) have N-terminal cytoplasmic NPF (arg-pro-phe) repeats, 4 central transmembrane regions, and a short C-terminal cytoplasmic tail. These SCAMPs likely have a role in endocytosis that is mediated by their NPF repeats. Other SCAMPs, such as SCAMP4, lack the NPF repeats and are therefore unlikely to function in endocytosis (summary by Fernandez-Chacon and Sudhof, 2000 [PubMed 11050114]).[supplied by OMIM, Feb 2011]