

Product datasheet for SC306937

SCARA5 (NM_173833) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SCARA5 (NM_173833) Human Untagged Clone
Tag: Tag Free
Symbol: SCARA5
Synonyms: NET33; Tesr
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_173833 edited
 ATGGAGAACAAAGCTATGTACCTACACACCGTCAGCGACTGTGACACCAGCTCCATCTGT
 GAGGATTCCTTTGATGGCAGGAGCCTGTCCAAGCTGAACCTGTGTGAGGATGGTCCATGT
 CACAAACGGCGGCAAGCATCTGCTGTACCCAGCTGGGGTCCCTGTCGGCCCTGAAGCAT
 GCTGTCCTGGGGCTCTACCTGCTGGTCTTCTGATTCTTGTGGGCATCTTCATCTTAGCA
 GTGTCCAGGCCGCGCAGCTCCCCTGACGACCTGAAGGCCCTGACTCGCAATGTGAACCGG
 CTGAATGAGAGCTTCCGGGACTTGCAGCTGCGGCTGCTGCAGGCTCCGCTGCAAGCGGAC
 CTGACGGAGCAGGTGTGGAAGGTGCAGGACGCGCTGCAGAACCAGTCAGACTCGTTGCTG
 GCGCTGGCGGGCGCAGTGCAGCGGCTGGAGGGCGCGCTGTGGGGCTGCAGGCGCAGGGC
 GTGCAGACCGAGCAGGCGGTGGCCCTGCTGCGGGACCGCACGGGCCAGCAGAGCGACACG
 GCGCAGCTGGAGCTCTACCAGCTGCAGGTGGAGAGCAACAGTAGCCAGCTGCTGCTGAGG
 CGCCACGCGGGCCTGCTGGACGGGCTGGCGCGCAGGGTGGGCATCCTGGGCGAGGAGCTG
 GCCGACGTGGGGCGGCTGCTGCGCGGCCTCAACCACAGCCTGTCTACGACGTGGCCCTC
 CACCGCACGCGGCTGCAGGACCTGCGGGTGTGGTGTGAGCAACGCCAGCGAGGACACGCGC
 CGCCTGCGCCTGGCGCACGTAGGCATGGAGCTGCAGCTGAAGCAGGAGCTGGCCATGCTC
 AACGCGGTCAACGAGGACCTGCGCCTCAAGGACTGGGAGCACTCCATCGCACTGCGGAAC
 GGCAGGCTGGCATCCCTGGATTGCCTGGACTTCGAGGTCTGCCGGGGAGAGAGGTACC
 CCAGGATTGCCCGGGCCCAAGGGCGATGATGGAAGCTGGGGGCCACAGGACCAATGGGC
 ATGCGTGGTTCAAAGGTGACCGAGGCCAAAAGGAGAGAAAGGAGAGAAAGGAGACAGA
 GCTGGGGATGCCAGTGGCGTGGAGGCCCGATGATGATCCGCTGGTGAATGGCTCAGGT
 CCGCACAGGGCCGCGTGAAGTGTACCACGACCGGCGCTGGGGCACCGTGTGTGACGAC
 GGCTGGGACAAGAAGGACGGAGACGTGGTGTGCCGATGCTCGGCTTCCGCGGTGTGGAG
 GAGGTGTACCGCACAGCTCGATTCCGGCAAGGCACTGGGAGGATCTGGATGGATGACGTT
 GCCTGCAAGGGCACAGAGAAACCATCTCCGCTGCAGCTTCTCAAATGGGGGTGACA
 AACTGTGGACATGCCGAAGATGCCAGCGTGACATGCAACAGACTGA



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Restriction Sites:	Please inquire
ACCN:	NM_173833
Insert Size:	1500 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_173833.3 , NP_776194.2
RefSeq Size:	3644 bp
RefSeq ORF:	1488 bp
Locus ID:	286133
UniProt ID:	Q6ZMJ2
Cytogenetics:	8p21.1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	Ferritin receptor that mediates non-transferrin-dependent delivery of iron. Mediates cellular uptake of ferritin-bound iron by stimulating ferritin endocytosis from the cell surface with consequent iron delivery within the cell. Delivery of iron to cells by ferritin is required for the development of specific cell types, suggesting the existence of cell type-specific mechanisms of iron traffic in organogenesis, which alternatively utilize transferrin or non-transferrin iron delivery pathways. Ferritin mediates iron uptake in capsule cells of the developing kidney. Binds preferentially ferritin light chain (FTL) compared to heavy chain (FTH1). [UniProtKB/Swiss-Prot Function]