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Product datasheet for SC333385

Small integral membrane protein 1 (SMIM1) (NM_001288583) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: Small integral membrane protein 1

Synonyms: Vel

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC333385 representing NM_001288583.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCAGCCCCAGGAGAGCCACGTCCACTATAGTAGGTGGGAGGACGGCAGCAGGGACGGAGTCAGCCTA
GGGGCTGTGTCCAGCACAGAAGAGGCCTCACGCTGCCGCAGGATCTCCCAGAGGCTGTGCACGGGCAAG
CTGGGCATCGCCATGAAGGTGCTGGGCGGCGTGGCCCTCTTCTGGATCATCTTCATCCTGGGCTACCTC
ACAGGCTACTATGTGCACAAGTGCAAATAA

Restriction Sites: SgfI-MluI

ACCN: NM_001288583

Insert Size: 237 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.

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Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001288583.1
RefSeq Size:	529 bp
RefSeq ORF:	237 bp
Locus ID:	388588
UniProt ID:	B2RUZ4
Cytogenetics:	1p36.32
MW:	8.7 kDa
Gene Summary:	This gene encodes a small, conserved protein that participates in red blood cell formation. The encoded protein is localized to the cell membrane and is the antigen for the Vel blood group. Alternative splicing results in different transcript variants that encode the same protein. [provided by RefSeq, Dec 2013] Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same protein.