

Product datasheet for **SC304841**

PREX1 (NM_020820) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PREX1 (NM_020820) Human Untagged Clone
Tag:	Tag Free
Symbol:	PREX1
Synonyms:	P-REX1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020820, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGCGCCCAGCGGCAGCGAGCCCGCGGCGACGGGGCCGGGGACTGCGCCACCCG
GACCCCGGGCCCTGGCGCCGCGGCGCCAGCTCCGGCCCGGCCGTGCGCGGCCGC
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CGGAAGCAGGGCCCAAGGGTGGAGATTCTGGCCAAAAACCTGCGAGTCAAGGACCAGATG
 CCCAGGGTGCTCCGCGCCTCTACCGCCTCTGCCAGCCGCGGTGGATGGGGACCTCTGA

Restriction Sites:	Please inquire
ACCN:	NM_020820
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:	<u>NM_020820.2</u> , <u>NP_065871.2</u>
RefSeq Size:	6633 bp
RefSeq ORF:	4980 bp
Locus ID:	57580
UniProt ID:	<u>Q8TCU6</u>
Cytogenetics:	20q13.13
Protein Pathways:	Chemokine signaling pathway
Gene Summary:	The protein encoded by this gene acts as a guanine nucleotide exchange factor for the RHO family of small GTP-binding proteins (RACs). It has been shown to bind to and activate RAC1 by exchanging bound GDP for free GTP. The encoded protein, which is found mainly in the cytoplasm, is activated by phosphatidylinositol-3,4,5-trisphosphate and the beta-gamma subunits of heterotrimeric G proteins. [provided by RefSeq, Jul 2008]