

Product datasheet for SC123029

Prokineticin 1 (PROK1) (NM_032414) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prokineticin 1 (PROK1) (NM_032414) Human Untagged Clone
Tag:	Tag Free
Symbol:	Prokineticin 1
Synonyms:	EGVEGF; PK1; PRK1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_032414 edited
 GTCGAGAGCGGCTTCACCCCAAGTGACCATGAGAGGTGCCACGCGAGTCTCAATCATGCT
 CTCCTAGTAACGTGTCTGACTGTCTGTGATCACAGGGCCTGTGAGCGGGATGTCCA
 GTGTGGGGCAGGCACCTGCTGTGCCATCAGCCTGTGGCTTCGAGGGCTGCGGATGTGCAC
 CCCGCTGGGGCGGGAAGGCGAGGAGTGCCACCCCGGCAGCCACAAGATCCCTTCTTCAG
 GAAACGCAAGCACACACCTGCTTGGCTTGCCAACCTGCTGTGCTCCAGGTTCCCGGA
 CGGCAGGTACCGCTGCTCCATGGACTTGAAGAATCAATTTTTAGGCGCTTGCCTGGTC
 TCAGGATACCCACCATCCTTTTCTGAGCACAGCCTGGATTTTTATTTCTGCCATGAAAC
 CCAGCTCCCATGACTCTCCAGTCCCTACACTGACTACCCTGATCTCTTGTCTAGTAC
 GCACATATGCACACAGGCAGACATACCTCCCATCATGACATGGTCCCAGGCTGGCCTGA
 GGATGTCACAGCTTGAGGCTGTGGTGTGAAAGGTGCCAGCCTGGTTCTCTTCCCTGCTC
 AGGCTGCCAGAGAGGTGGTAAATGGCAGAAAGGACATTCCTCCCTCCCTCCAGGTGAC
 CTGCTCTCTTTCCCTGGGCCCTGCCCTCTCCCCACATGTATCCCTCGGTCTGAATTAGAC
 ATTCCTGGGCACAGGCTCTTGGGTGCATTGCTCAGAGTCCCAGGTCTGGCCTGACCCTC
 AGGCCCTTACGTGAGGTCTGTGAGGACCAATTTGTGGGTAGTTCATCTTCCCTCGATTG
 GTTAACTCCTTAGTTTCAGACCACAGACTCAAGATTGGCTTCCCAGAGGGCAGCAGAC
 AGTCACCCCAAGGCAGGTGTAGGGAGCCCAGGGAGGCAATCAGCCCCCTGAAGACTCTG
 GTCCCAGTCAGCCTGTGGCTTGTGGCCTGTGACCTGTGACCTTCTGCCAGAATTGTTATG
 CCTTTGAGGCCCTCTTACCACACTTTACCAGTTAACCCTGAAGCCCCCAATTCAC
 AGCTTTTCCATTAATAATGCAAATGGTGGTCAATCTAATCTGATATTGACATATTAG
 AAGGCAATTAGGGTGTTCCTTAAACAACCTCTTTCCAAGGATCAGCCCTGAGAGCAGGT
 TGGTGACTTTGAGGAGGGCAGTCTCTGTCCAGATTGGGGTGGGAGCAAGGGACAGGGAG
 CAGGGCAGGGCTGAAAGGGCACTGATTCAGACCAGGGAGGCAACTACACCAACCTG
 CTGGCTTTAGAATAAAAGCACCAACTGAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032414 unedited GTAAAGTCAAATTTGTATACGACTCACTATAGGCGGCCGCATAACTTCGTATAGCATAAC ATTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGCTT CACCCCAAGTGACCATGAGAGGTGCCACGCGAGTCTCAATCATGCTCCTCCTAGTAACTG TGTCTGACTGTGCTGTGATCACAGGGCCTGTGAGCGGGATGCCAGTGTGGGGCAGGCA CCTGCTGTGCCATCAGCCTGTGGCTTCGAGGGCTGCGGATGTGCACCCCGCTGGGGCGGG AAGGCGAGGAGTGCCACCCCGCAGCCACAAGATCCCCTTCTTCAGGAAACGCAAGCACC ACACCTGTCCTTGCTTGCCCAACCTGCTGTGCTCCAGGTTCCCGGACGGCAGGTACCGAT ATCAAGCTTGTGACTCTAGATTGCGGGCGCGGTATAGCTGTTTCTGAACAGATCCCG GGTGGCATCCCTGTGACCCTCCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAG TGCCACCAGCCTTGCTTAATAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGTCT TCTATAATATATGGGTGGAGGGGGGGTGGNNNGNNNNNGGGGNNNNNGGGGNNNNN NNGGNGGGGNNNGGGGNNNGGGGNNNNNGGGGNNNNNGGGGNNNNNNNGGGGNN GNGGGGGNNNGNNNNNGGGGNNNGGGGNNNNNGGGGNNNNNNNNNNNNNNNGGGG GNNNGNNNGNNGGGNNGGGNNNGNNNNNGGGGNNNNNNNNNNNNNNNNNNNGGGG NNNGGGGGGNNGGGNNGGGNNNGNNNNNGGGGNNNNNNNNNNNNNNNNNNNGGGG NNNGGGGGGNNGGGNNGGGNNNGNNNNNGGGGNNNNNNNNNNNNNNNNNNNGGGG
Restriction Sites:	Please inquire
ACCN:	NM_032414
Insert Size:	1363 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:	<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_032414.2 , NP_115790.1
RefSeq Size:	1372 bp
RefSeq ORF:	318 bp
Locus ID:	84432
UniProt ID:	P58294
Cytogenetics:	1p13.3
Protein Families:	Druggable Genome, Secreted Protein

Gene Summary:

The protein encoded by this gene induces proliferation, migration, and fenestration (the formation of membrane discontinuities) in capillary endothelial cells derived from endocrine glands. It has little or no effect on a variety of other endothelial and non-endothelial cell types. Its expression is restricted to the steroidogenic glands (ovary, testis, adrenal, and placenta), is induced by hypoxia, and often complementary to the expression of vascular endothelial growth factor (VEGF), suggesting that these molecules function in a coordinated manner. [provided by RefSeq, Sep 2011]