

Product datasheet for **SC210033**

Ephexin 1 (NGEF) (NM_001114090) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Ephexin 1 (NGEF) (NM_001114090) Human 3' UTR Clone
Symbol: Ephexin 1
Synonyms: ARHGEF27; EPHEXIN
Mammalian Cell Selection: Neomycin
Vector: pMirTarget (PS100062)
ACCN: NM_001114090
Insert Size: 818 bp
Insert Sequence: >SC210033 3'UTR clone of NM_001114090
 The sequence shown below is from the reference sequence of NM_001114090. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGGAAGCTGGGCAGCCGGAATCGGCAATGACCCCACCCAGGGGGCCAGCGGGAGCAGGGCCTGCATGA
GACCCCGACAGAAGGTGGGGGGGGGGGGCTCTGGGAAGCACAGGCCAGCACCTCCCCAGGTGGCAGGA
TCTGGCTTGGGGTGCCCGCCCTCATCCCTGCCACGCAGTGAGTGCTCATGTGTCTTGGCCCTTGCT
CGCAAAGTGGATAAAGGGTGCCCAAGCCTCTCCTGATGCATTTGTAACAAGAAGTTTCAGCAGTATT
ACACCACCTCCCTCATGCCTCCGAGGGGTGGAAGGGGTGGGCACACTCCAGGGCCCCCATGCCCT
GGCCCCAGGGACTGGAAGAGGCTCCCAACCCAGAGTGTCCTGTGGGAGGCAGGCAGAAGTGACAAT
TGACACGATTTCTGCACGCGTCTCCTCTACCTTGAAGCAGTTAGAATCTACCAGGCACAGATGAGG
CCGCCCTTGCTGACGGAGCTTGATGAGCAGCCCTTGGTCTCCGGTTCAGGACTGAGAGCCCAGCTGC
CTTGCCACCCCTTCCCCAGGCCTTGCCAGCCTTGCTGCACGGTCAGGCCCTGCCCCATGGCAGGC
CTGCCAGAGCTTGGCTGGGACCCTCCCGCCTTGCTCCCTGATGGCTGGATGTAACCTGTGTCTT
CTAGCCCTTAAGGAGCCAGGTGTTTTAAGGAATGAATTGGTCACTGCATCTTGTATCGATTATGGTT
CTGAGAAAAGCAAATATCACTTTTGGCTGCATTAAGAAGCATCATATATAAAATAAA
AGCGGACCGACTTACGCGTAAGCGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCC
CAACCTGCCATCACGAGATTTTCGATTCCACCGCCG
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Restriction Sites: SgfI-RsrII



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001114090.2</u>
Summary:	Acts as a guanine nucleotide exchange factor (GEF) which differentially activates the GTPases RHOA, RAC1 and CDC42. Plays a role in axon guidance regulating ephrin-induced growth cone collapse and dendritic spine morphogenesis. Upon activation by ephrin through EPHA4, the GEF activity switches toward RHOA resulting in its activation. Activated RHOA promotes cone retraction at the expense of RAC1- and CDC42-stimulated growth cone extension (By similarity).[UniProtKB/Swiss-Prot Function]
Locus ID:	25791
MW:	28.7