

Product datasheet for **SC327109**

EPS15 (NM_001159969) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPS15 (NM_001159969) Human Untagged Clone
Tag:	Tag Free
Symbol:	EPS15
Synonyms:	AF-1P; AF1P; MLLT5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

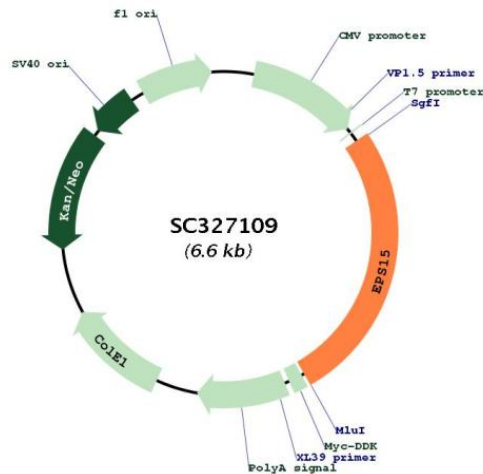


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Fully Sequenced ORF: >SC327109 representing NM_001159969.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTATTTAAAAAGCGATTCAGGATTAGGAGGATGGATAACCATACCAGCTGTAGCTGATGTTCTAAAA
TATTCTTGCAATTGTTTGTGGTCTTCTAGGAAAAGAATAATGTGGAACAGGACCTTAAGGAGAAGGAA
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GAAATATTTTGTGATCCATTCATCTGCTACTACCCTACCAATAAAGAGGCTGATCCAAGCAATTTT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001159969

Insert Size: 1749 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:

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_001159969.1](#)

RefSeq Size: 4351 bp

RefSeq ORF: 1749 bp

Locus ID: 2060

UniProt ID: [P42566](#)

Cytogenetics: 1p32.3

Protein Families: Druggable Genome

Protein Pathways: Endocytosis

MW: 64.4 kDa

Gene Summary: This gene encodes a protein that is part of the EGFR pathway. The protein is present at clatherin-coated pits and is involved in receptor-mediated endocytosis of EGF. Notably, this gene is rearranged with the HRX/ALL/MLL gene in acute myelogenous leukemias. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, May 2009]

Transcript Variant: This variant (2) lacks multiple exons at the 5' end and has a distinct 5' UTR and start codon, compared to variant 1. These differences result in a protein (isoform B) with a shorter and distinct N-terminus, compared to isoform A. Isoform B localizes to early endosome membranes.