

## Product datasheet for **SC310822**

### ENTR1 (NM\_001039708) Human Untagged Clone

#### Product data:

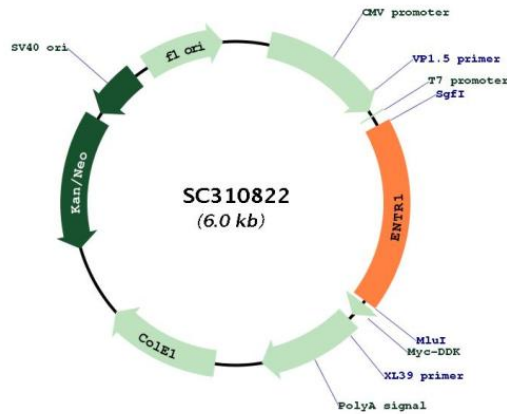
**Product Type:** Expression Plasmids  
**Product Name:** ENTR1 (NM\_001039708) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ENTR1  
**Synonyms:** NY-CO-3; SDCCAG3; SDDAG3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >SC310822 representing NM\_001039708.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCTGGGCTACCGAGCGCCCGCCGGGCGCCACCCCGCTGTCCCGAGCCGGAGCCTCGCCATTCCCGAC
GATGACAGATTTGAAGATCTGGAAGAGGCAAAATCCATTCTCTTTAGAGAGTTTCTGAAGACCAAGAAC
CTCGGCCCTCTCGAAAGAGGATCCGGCCAGCAGAAATTTATGCAAAGGAAGCCTCGAGGCATTCCCTGGGA
CTTGACCACAACCTCCCAACCTCCCAAACCGGCGGGTATGGCCTGGAGTATCAGCAGCCATTTTTCGAG
GATCCGACAGGGGCTGGTACCTCCTGGATGAGGAGGAGGATGAGGACACCGGATGGAGTGGGGCCTAC
CTGCCGTCGGCCATCGAGCAGACTCACCCCGAGAGGGTCCCTGCCGACGTCGCCCTGCAGCACATAC
CTTTCTTTTTTCTCCACCCCGTCGGAGCTGGCAGGGCCTGAGTCTCTGCCCTCGTGGGCGTTGAGTGAC
ACTGATTTCTCGCGTGTCTCCGGCCTCTCCGGCAGGGAGTCTAGCGCAGACTTTGCGGTTTCATGGAGAG
TCTCTGGGAGACAGGCACCTGCGGACGCTGCAGATAAGTTACGACGCACTGAAAGATGAAAATTTCTAAG
CTGAGAAGAAAGCTGAATGAGGTTTCAGAGCTTCTCTGAAGCTCAAACAGAAATGGTGAGGACGCTTGAG
CGGAAGTTAGAAGCAAAAATGATCAAGGAGGAAAGCGACTACCACGACCTGGAGTCGGTGGTTCAGCAG
GTGGAGCAGAACCTGGAGCTGATGACCAAACCGGCTGTAAGGCGAGAAAACACGTCGTGAAACTAAAA
CAGGAAATCAGTTTGTCTCAGGCGCAGGCTCCAACCTCCAGCGAGAGAATGAAGCCCTGCGGTGCCGC
CAGGGTGCCAGCCTGACCGTGGTGAAGCAGAACGCCAGCTGGCCCTGCAGAACCTCCGGGTGGTCATG
AACAGTGACAGGCTCCATCAAGCAACTGGTTTCCGGAGCTGAGACACTGAATCTTGTGCCGAAATC
CTTAAATCTATAGACAGAATTTCTGAAGTTAAAGACGAGGAGGAAGACTCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:** SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001039708

**Insert Size:** 1089 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\\_001039708.1](#)

**RefSeq Size:** 2171 bp

**RefSeq ORF:** 1089 bp

**Locus ID:** 10807

UniProt ID: [Q96C92](#)

Cytogenetics: 9q34.3

MW: 40.1 kDa

**Gene Summary:** Endosome-associated protein that plays a role in membrane receptor sorting, cytokinesis and ciliogenesis (PubMed:23108400, PubMed:25278552, PubMed:27767179). Involved in the endosome-to-plasma membrane trafficking and recycling of SNX27-retromer-dependent cargo proteins, such as GLUT1 (PubMed:25278552). Involved in the regulation of cytokinesis; the function may involve PTPN13 and GIT1 (PubMed:23108400). Plays a role in the formation of cilia (PubMed:27767179). Involved in cargo protein localization, such as PKD2, at primary cilia (PubMed:27767179). Involved in the presentation of the tumor necrosis factor (TNF) receptor TNFRSF1A on the cell surface, and hence in the modulation of the TNF-induced apoptosis (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) lacks two alternate in-frame exons in the 5' end compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1.