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# Product datasheet for SC115930

## ENTR1 (NM_006643) Human Untagged Clone

### Product data:

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|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | ENTR1 (NM_006643) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | ENTR1 |
| **Synonyms:** | NY-CO-3; SDCCAG3; SDDAG3 |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pCMV6-XL4 |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |

**Fully Sequenced ORF:**

>OriGene ORF within SC115930 sequence for NM_006643 edited (data generated by NextGen Sequencing)

ATGTCGGGCTACCAGCGCCGCCCGGGCGCCACCCCGCTGTCCCGAGCCCGGAGCCTCGCC
ATTCCCGACGCTCCAGCGTTCTATGAGCGCCGGTCTTGTCTCCCCCAGCTAAATTGTGAG
CGCCCCCATGGCAGGGACCTGGACTCCCCCTTCTTCGGCATTCGGCCGGCCTTTATGTGC
TATGTGCCCAGCCCGGTGCTGGCTTCCGTGGGAGACACAGATGACAGATTTGAAGATCTG
GAAGAGGCAAATCCATTCTCTTTTAGAGAGTTTCTGAAGACCAAGAACCTCGGCCTCTCG
AAAGAGGATCCGGCCAGCAGAATTTATGCAAAGGAAGCCTCGAGGCATTCCCTGGGACTT
GACCACAACTCCCCACCCTCCCAAACCGGCGGGTATGGCCTGGAGTATCAGCAGCCATTT
TTCGAGGATCCGACAGGGGCTGGTGACCTCCTGGATGAGGAGGAGGATGAGGACACCGGA
TGGAGTGGGGCCTACCTGCCGTCCGCCATCGAGCAGACTCACCCCGAGAGGGTCCCTGCC
GGCACGTCGCCCTGCAGCACATACCTTTCCTTTTTCTCCACCCCGTCGGAGCTGGCAGGG
CCTGAGTCTCTGCCCTCGTGGGCGTTGAGTGACACTGATTCTCGCGTGTCTCCGGCCTCT
CCGGCAGGGAGTCCTAGCGCAGACTTTGCGGTTCATGGAGAGTCTCTGGGAGACAGGCAC
CTGCGGACGCTGCAGATAAGTTACGACGCACTGAAAGATGAAAATTCTAAGCTGAGAAGA
AAGCTGAATGAGGTTCAGAGCTTCTCTGAAGCTCAAACAGAAATGGTGAGGACGCTTGAG
CGGAAGTTAGAAGCAAAAATGATCAAGGAGGAAAGCGACTACCACGACCTGGAGTCGGTG
GTTCAGCAGGTGGAGCAGAACCTGGAGCTGATGACCAAACGGGCTGTAAAGGCAGAAAAC
CACGTCGTGAAACTAAAACAGGAAATCAGTTTGCTCCAGGCGCAGGTCTCCAACTTCCAG
CGAGAGAATGAAGCCCTGCGGTGCGGCCAGGGTGCCAGCCTGACCGTGGTGAAGCAGAAC
GCCGACGTGGCCCTGCAGAACCTCCGGGTGGTCATGAACAGTGCACAGGCTTCCATCAAG
CAACTGGTTTCCGGAGCTGAGACACTGAATCTTGTTGCCGAAATCCTTAAATCTATAGAC
AGAATTTCTGAAGTTAAAGACGAGGAGGAAGACTCTTGA

Clone variation with respect to NM_006643.3



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM_006643 unedited
TCCCATATTTGTAATACGACTTACTATAGGGCGGCCGCGGGCGTTCAGGCACGCGCTTTC
GGTGCTCGGAGCGGAAGCAGCGGCGAGAGGCTCGGAGGCGCGGGGGCGGCCGAGCGGCGG
GCGACGGGGGCGGGCGACGGGGGCGGGCGACGCGGGCCGCGGCACGGGCGGAGCCGGGGC
CATGGAGCCGCCGCTGCCGGGCTAGGCAGGTCGTGCCCCGCCGGGCCGGCGGCGATGTCG
GGCTACCAGCGCCGCCCGGGCGCCACCCCGCTGTCCCGAGCCCGGAGCCTCGCCATTCCC
GACGCTCCAGCGTTCTATGAGCGCCGGTCTTGTCTCCCCCAGCTAAATTGTGAGCGCCCC
CATGGCAGGGACCTGGACTCCCCCTTCTTCGGCATTCGGCCGGCCTTTATGTGCTATGTG
CCCAGCCCGGTGCTGGCTTCCGTGGGAGACACAGATGACAGATTTGAAGATCTGGAAGAG
GCAAATCCATTCTCTTTTAGAGAGTTTCTGAAGACCAAGAACCTCGGCCTCTCGAAAGAG
GATCCGGCCAGCAGAATTTATGCAAAGGAAGCCTCGAGGCATTCCCTGGGACTTGACCAC
AACTCCCCACCCTCCCAAACCGGCGGGTATGGCCTGGAGTATCAGCAGCCATTTTTCGAG
GATCCGACAGGGGCTGGTGACCTCCTGGATGANGAGGAGGATGAGGACACCGGATGGAGT
GGGGCCTACCTGCCGTCCGCCATCGAGCAGACTCACCCCGAGAGGGTCCCTGCCGGCACG
TCGCCCTGCAGCACATACCTTTCCTTTTTCTCCACCCCGTCGGAGCTGGCAGGCCCTGAG
TCTCTGCCCTCGTGGGGCGTGAGTGACACTGTATCTCGCGTGTCTCCGGCCTTCTCCGCA
AGGAGTCCTAGCGCAGACCTTGCGGTTCATGGANAGTCTCTGGGAGCAAGGCACCTGGCG
GAGCC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM_006643 unedited
NNNGGGCCCTCTATGTACCGCGGCCGCCTTCTAAGATCGGTTTTTTTTTTTTTTTTTCT
TGCGATCAACACTTTACTCTGGGTGAAGACTGCATATTTAAGGACACAACTGCACATTTA
GATCGAGCGGTGGTGACCTCAGGGTATACACGGAGCTTCATGCTGAGAACACCCAGGGGT
CCTCAAGAGTCTTCCTCCTCGTCTTTAACTTCAGAAATTCTGTCTATAGATTTAAGGATT
TCGGCAACAAGATTCAGTGTCTCAGCTCCGGAAACCAGTTGCTTGATGGAAGCCTGTGCA
CTGTTCATGACCACCCGGAGGTTCTGCAGGGCCACGTCGGCGTTCTGCTTCACCACGGTC
AGGCTGGCACCCTGGCCGCACCGCAGGGCTTCATTCTCTCGCTGGAAGTTGGAGACCTGC
GCCTGGAGCAAACTGATTTCCTGTTTTAGTTTCACGACGTGGTTTTCTGCCTTTACAGCC
CGTTTGGTCATCAGCTCCAGGTTCTGCTCCACCTGCTGAACCACCGACTCCAGGTCGTGG
TAGTCGCTTTCCTCCTTGATCATTTTTGCTTCTAACTTCCGCTCAAGCGTCCTCACCATT
TCTGTTTGAGCTTCAGAGAAGCTCTGAACCTCATTCAGCTTTCTTCTCAGCTTAGAATTT
TCATCTTTCAGTGCGTCGTAACTTATCTGCAGCGTCCGCAGGTGCCTGTCTCCCAGAGAC
TCTCCATGAACCGCATAGTCTGCGCTAGGACTCCCTGCCGGAGAGGCCGGAGACACGCGA
GAATCAGTGTCACTCAACGCCCACGATGGCAGAGACTCAGGCCCTGCCAGCTCCGACGGG
GTGGNAAAAAAAGGAAA

**Restriction Sites:** NotI-NotI

**ACCN:** NM_006643

**Insert Size:** 1650 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).

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| **Reconstitution Method:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_006643.2, NP_006634.2 |
| **RefSeq Size:** | 2191 bp |
| **RefSeq ORF:** | 1065 bp |
| **Locus ID:** | 10807 |
| **UniProt ID:** | Q96C92 |
| **Cytogenetics:** | 9q34.3 |
| **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]<br>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' end compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1. |