

Product datasheet for **SC321220**

ENTR1 (NM_006643) Human Untagged Clone

Product data:

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_006643.3
CACGGGCGGAGCCGGGGCCATGGAGCCGCCGCTGCCGGGCTAGGCAGGTCGTGCCCCGCC
GGGCGCGCGGCATGTCCGGCTACCAGCGCCACCCGGGCGCCACCCCGCTGTCCCGAGCC
CGGAGCCTCGCCATTCGCCAGCTCCAGCGTCTATGAGCGCCGGTCTTGTCTCCCCAG
CTAAATGTGAGCGCCCCATGGCAGGGACCTGGACTCCCCTTCTTCGGCATTCCGGCC
GCCTTTATGTCTATGTCCAGCCGGTGTGCTCCGTGGGAGACACAGATGACAGA
TTTGAAGATCTGGAAGAGGCAAATCCATTCTCTTTTAGAGAGTTTCTGAAGACCAAGAAC
CTCGGCCCTCTCGAAAGAGGATCCGGCCAGCAGAATTTATGCAAAGGAAGCCTCGAGGCAT
TCCTGGGACTTGACCACAACCTCCCACCTCCCAAACCGGCGGGTATGGCCTGGAGTAT
CAGCAGCCATTTTTCGAGGATCCGACAGGGGCTGGTGACCTCCTGGATGGGGAGGAGGAT
GAGGACACCGGATGGAGTGGGGCTACCTGCCGTCGCCATCGAGCAGACTCACCCCGAG
AGGGTCCCTGCCGGCACGTGCCTGCAGCACATACCTTTCTTTTTCTCACCCCGTCCG
GAGCTGGCAGGGCCTGAGTCTCTGCCCTCGTGGCGTTGAGTGACACTGATTCTCGCGTG
TCTCCGGCCTCTCCGGCAGGAGTCTAGCGCAGACTTTGCGGTTTCATGGAGAGTCTCTG
GGAGACAGGCACCTGCGGACGCTGCAGATAAGTTACGACGCACTGAAAGATGAAAATTCT
AAGCTGAGAAGAAAGCTGAATGAGGTTACAGAGTCTCTGAAGCTCAAACAGAAATGGTG
AGGACGCTTGAGCGGAAGTTAGAAGCAAAAATGATCAAGGAGGAAAGCGACTACCACGAC
CTGGAGTCGGTGGTTCAGCAGGTGGAGCAGAACCTGGAGCTGATGACCAAACGGGCTGTA
AAGGCAGAAAACCACGTCGTGAAACTAAAACAGGAAATCAGTTTGTCCAGGCGCAGGTC
TCCAACCTCCAGCGAGAGAATGAAGCCCTGCGGTGCGGCCAGGGCGCCAGCCTGACCGTG
GTGAAGCAGAACGCCGACGTGGCCCTGCAGAACCTCCGGTGGTTCATGAACAGTGACAG
GCTTCCATCAAGCAACTGGTTCCGGAGCTGAGACTGAATCTTGTGGCGAAATCCTT
AAATCTATAGACAGAATTTCTGAAATTAAGACGAGGAGGAAGACTCTTGAGGACCCCTG
GGTGTTCAGCATGAAGCTCCGTGTATACCCTGAGGTACCACCCTCGATCTAAATGT
GCAGTTGTGTCCTAAATATGCAGTCTTACCCAGAGTAAAGTGTGATCGCAAGAGTCC
AGTGTGTCGCCCTCAGCCAGTCTTGGCCACCACAATGGGAGCAGCCCTGGCCGAGTTGT
CTCTGTGGTTTCTATGCAGCCCTTCTTGGCGAAATTCCTGCGATCTTATAGATTCTAATG
AGCTCTTGAAGACATTGTCATAAAAGCCAGTGATTTTAAAGAAAAGAGTGGTTCTGGAA
TCAGTGTTCAGTCCCATCCAGAACATCAGTTGTAAGATAAGTACAATTGGTTGTCC
TTGATTTTCATAAGTAGAACAAACACTAAATGTGCCTCTGAGATGGCCACCCCGGGCAGGG
ACCTGTGCCTCCACCGATGCTCAGGGCTCCCTCTGGCTCCCGGGTCACTCTTGTGGCCC
CAGTGGGTGGTCCCTGCAGTCATGGCCTGAGTGCAGGGGCCACCGCGTGGCTGCCGCT
GTCCTCTCCGGGACCCACGGGGACCAAGGTCACACGTTCCGTGCTGTGAAGCTGTCCAG
ATGTGCCTCTTTGGCTGGGGTCTGGTGGACGTTTCAAGTGGCATTGTGTAACAATGCAG
GTTAGAATTCAGGAATTTCAAGTATGTGCCCGGTCTGTGAGGTCACAGTTGCCTTTCTG
ACGGCCCCCTCAGAGGGACGGCGATGAGCACTAAATGCTTTTTTGGACTATTTTCTATA
GATTTTTTTTAAACTTTTTTTCTCCTGTTCATGATAGCTTTCTTATTTAATAAA
TTCTGTAGTTCACCAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_006643

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:	<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:	<u>NM_006643.3</u> , <u>NP_006634.3</u>
RefSeq Size:	2321 bp
RefSeq ORF:	1239 bp
Locus ID:	10807
UniProt ID:	<u>Q96C92</u>
Cytogenetics:	9q34.3
Gene Summary:	<p>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]</p> <p>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.</p>