

Product datasheet for RN200381

Itsn1 (NM_019227) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itsn1 (NM_019227) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Itsn1
Synonyms:	EHS1; Itsn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN200381 representing NM_019227 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCAGTTCCGACACCTTTTGGTGGGAGCCTGGACATCTGGCCATAACCGTGGAGGAAAGAGCCA
AGCATGACCAGCAGTTCCAGAGTTGAAGCCGATATCTGGATTCACACTGGTGATCAAGCAAGGAACTT
CTTTTCCAATCTGGTTACCTCAGCCCGTCTTAGCACAATATGGGCGCTGGCTGACATGAATAAGGAC
GGAAGGATGGATCAGGTGGAGTTTCCATAGCCATGAAGCTCATCAAAGTGAAGTGAAGGATATCAGC
TCCCCCGCACTTCCCCTGTGATGAAGCAGCAGCCAGCGCCATCTCTAGTGCACCAGGTTTGGTAT
AGGAGGGATGGCTGGAATGCCACCACTGACAGCTGTTGCTCCCGTGCCAATGGGCTCCATCCCAGTTGTT
GGAATGTCTCCGCCCTTAGTATCTTCTGTCCCTCAAGCAGCAGTGCCTCCCCTGGCTAACGGGGCCCTC
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TCAGCTGGCTTCAATCTGGAATCTTTCCGACATTGATCAAGATGGAAAGCTCACCGCAGAAGAATTCATC
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GACAGCTTGAATGGAAACGGAACCGGAGACAGGAACTCCTGACTCAGAGGAACAAGGACCAGGAGGCAT
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CTGGAAGGAAAACCTTCAGGATATCAGGTGTCGACTGGCAACCCAGAGGCAAGAAATTGAGAGCACAAACA
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TTGTTGCTATGTACACTTACGAGAGTTCTGAGCATGGAGATTTAACCTTTTTCAGCAAGGGCATGTGATTGT
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CCAGCCAGCAATGA
    
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_019227

Insert Size:

3654 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).

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_019227.1](#), [NP_062100.1](#)

RefSeq Size: 4025 bp

RefSeq ORF: 3654 bp

Locus ID: 29491

UniProt ID: [Q9WVE9](#)

Cytogenetics: 11q11

Gene Summary: binds to dynamin and SNAP-25; may be involved in exocytosis [RGD, Feb 2006]
Transcript Variant: This variant (2) lacks alternate exons in the 3' coding region and 3' UTR, compared to variant 1, resulting in a novel 3' coding region and 3' UTR. It encodes the shorter isoform (b), compared to isoform a.