

Product datasheet for RN200380

Itsn1 (NM_001136096) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itsn1 (NM_001136096) 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:	>RN200380 representing NM_001136096 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCAGTTCCGACACCTTTTGGTGGGAGCCTGGACATCTGGCCATAACCGTGGAGGAAAGAGCCA
AGCATGACCAGCAGTTCCAGAGTTGAAGCCGATATCTGGATTCATCACTGGTATCAAGCAAGGAACTT
CTTTTCCAATCTGGTTACCTCAGCCCGTCTTAGCACAATATGGGCGCTGGCTGACATGAATAAGGAC
GGAAGGATGGATCAGGTGGAGTTTCCATAGCCATGAAGCTCATCAAAGTGAAGTGAAGGATATCAGC
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AGGAGGGATGGCTGGAATGCCACCACTGACAGCTGTTGCTCCCGTGCCAATGGGCTCCATCCCAGTTGTT
GGAATGTCTCCGCCCTTAGTATCTTCTGTCCCTCAAGCAGCAGTGCCTCCCCTGGCTAACGGGGCCCTC
CTGTACATACAGCCTCTGCCTGCATTTGCTCATCTGCAGCCACATTGCCAAAGAGTTCTTCTTCAGCAG
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GCAGCGGAGCAATGGGCTGTGCCTCAGTCGTCAAGACTGAAATACAGGCAGTTATTCAACAGTCAAGACA
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CTAGCGATGCACCTGATTGATGTTGCTATGCTGGTCAAGCAGTCCCGCTGCTGCCTCCAGAATACA
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GCGGCTGCCCGAGGAGCCATCGTCAGAGGATGAGCAGCAGGTGGAAAAGAAGCTGCCTGTGACATTTGAA
GATAAGAAGCGGGAGAATTCGAGCGAGGCAACCTGGAGCTGGAGAAGCGCAGGCAGGCCCTCTGGAGC
AGCAGCGCAAGGAGCAGGAGCGGCTGGCTCAGCTGGAGCGCGCCGAGCAAGAGAGGAAAGAGCGGGAGCG
CCAGGAACAGGAGCGCAAGAGACAGCTAGAGCTGGAGAAGCAGCTAGAAAAGCAGCGGGAGCTGGAGAGG
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GACAGCTTGAATGGAAACGGAACCGGAGACAGGAACTCCTGACTCAGAGGAACAAGGACCAGGAGGGCAT
CGTGGTCTGAAGCGAGGAGGAAGACTCTGGAGTTTGAATTAGAAGCTCTGAATGACAAAAGCATCAG



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CTGGAAGGAAAACCTTCAGGATATCAGGTGTCGACTGGCAACCCAGAGGCAAGAAATTGAGAGCACAAACA
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CAGTGCAGCCAGCAGTGTCCAGGTGATCGGGATGTACGATTACACCGCGCAGAATGACGATGAGCTAGC
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GCTCAGACTTACATCTCTTAGATATGTTGACCCGACTGAGAGGAAGAGGCAAGGCTACATCCATGAACT
CATTGTACAGAGGAGAACTATGTGAACGACCTGCAGCTGGTCCAGAGATCTTTTCAGAAACCCCTGACG
GAGTCTGAGCTGCTGACAGAAAAAGAGGTTGCTATGATTTTTGTTAACTGGAAGGAGCTGATTATGTGTA
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GGGGCCGCCCTCATCCAGCAGAAGACAGATGAGGCTCCAGACTCAAGGAGTTCGTAAGAAAGACTGGCAA
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CCCCTGATCATTAAAAACATCCTGAAAAACACTCCTGAAAACCCACCCGACCACAGCCACCTGAAGCAC
GCCCTGGAGAAAAGCAGAAGAGCTGTGCTCCCAAGTGAACGAGGGAGTTCGAGAGAAGGAGAACTCGACC
GGCTGGAGTGGATCCAGGCGCATGTGCAGTGCGAAGGCCTTTCTGAGCAACTGGTGTCAATTCCGTGAC
CAACTGCTTGGGACCACGCAAGTTTCTGCACAGCGGAAGCTCTACAAGGCCAAGAGCAACAAAGAGCTG
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TCTAGTAAAATGCCCACGGACCCTTCTGGAGATGAACCTATCTTTCACATTTGCACATTGACCGAGTC
TACACGCTCCGAGCAGAAAGTATAAATGAGAGGACTGCCTGGGTGCAGAAAATCAAGGCCGATCTGAGC
TCTACATAGAGACGGAGAAAAAGAGCGAGAGAAGGCGTATCTGGTCCGTTCCAGAGAGCGACCGGTAT
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CCGTAAGTGTGAGGTGACCATGGGCTCTCAGTGCCACATACCAAGACAATCCAGGACACGCTGAACCCTA
AGTGAATTCTAACTGCCAGTCTTTCATCAGAGACCTGGAACAGGAGGTTCTCTGCATCACTGTGTTTGA
GAGGGACCAATTCTCGCCAGACGATTTTTTGGGTCCGGACAGAGATCCGAGTGGCCGACATCAAGAAAGAC
CAGGGCTCCAAGGGCCAGTTACAAAGTGTCTCTGCTGCATGAGGTGCCACAGGAGAGATTGTGGTTC

GCCTTGACCTGCAGTTGTTTGATGAGCCGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001136096
Insert Size:	5142 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:	<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_001136096.1, NP_001129568.1</u>
RefSeq Size:	5203 bp
RefSeq ORF:	5142 bp
Locus ID:	29491
UniProt ID:	<u>Q9WVE9</u>
Cytogenetics:	11q11
Gene Summary:	binds to dynamin and SNAP-25; may be involved in exocytosis [RGD, Feb 2006] Transcript Variant: This variant (1) encodes the longer isoform (a).