

Product datasheet for SC312830

ISM2 (NM_182509) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ISM2 (NM_182509) Human Untagged Clone
Tag:	Tag Free
Symbol:	ISM2
Synonyms:	TAIL1; THSD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC312830 representing NM_182509. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGTGCGCTCCGCGACCGAGCCGGGCTCCTCCTCTGCGTGCTGCTGCTGGCGGCGCTGCTGGAGGCG
GCGCTAGGGCTCCCCGTGAAGAAGCCGCGGCTCCGCGGACCACGGCCTGGGAGCCTCACGAGGCTCGCA
GAGGTCTCAGCCTCCCAGATCCTAGGCCTCTGAAGGAAGAGGAGGAGGCACCACTGCTCCCAGAACCC
CACCTGCAGGCAGAGCCACCAACATGGATGCTGGACTGTCACTGAGCCAGCAGCCATGACCCAGGC
AACGCCACCCCTCCCAGGACCCAGAGGTTACTCCGTTGCGGCTGGAGCTGCAGAAGCTGCCGGGATTG
GCCAACACAACCTTGAGTACCCCTAACCCCTGATACCCAGGCTTCAGCCTCCCAGATCCTAGGCCTCTG
AGGGAAGAGGAGGAGGCACGACTGCTCCCAGAACCCACCTGCAGGCAGAGCTACACCAACATGGATGT
TGGACTGTCACTGAGCCAGCAGCCCTGACCCAGGGAATGCCACGCCCTCCAGGACCCAGGAGGTTACT
CCCTTGCTGCTGGAGCTGCAGAAGCTGCCAGAATTGGTCCACGCAACCTTGAGTACCCCTAACCCCTGAT
AACCAGACTATGAGCCTCAGAAGGAGTGGAGTCCCTGGTCTCCCTGCAGTGGGAAGTGCAGCACTGGCA
AGCAGCAGAGGACTCGGCCCTGTGGCTATGGTGCAGTGCACCGAGACCCGTACCTGTGACCTGCCCT
CCTGTCTGGCACTGAGGACAAGGACACCTTGGGCCTCCCAGTGAGGAGTGAAGCTCCTGGCCCGCA
ATGCTACGGACATGCATGATCAAGATGTGGACAGCTGTGAGAAGTGGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCGCGC
  
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Restriction Sites:	SgfI-MluI
ACCN:	NM_182509
Insert Size:	879 bp


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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:	<u>NM_182509.3</u>
RefSeq Size:	2660 bp
RefSeq ORF:	879 bp
Locus ID:	145501
UniProt ID:	<u>Q6H9L7</u>
Cytogenetics:	14q24.3
Protein Families:	Transmembrane
MW:	31.3 kDa
Gene Summary:	The protein encoded by this gene contains a type 1 thrombospondin domain, which is present in thrombospondin, a number of proteins involved in the complement pathway, as well as in extracellular matrix proteins. Two alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Mar 2009] Transcript Variant: This variant (3) lacks an in-frame coding exon compared to variant 1. The resulting isoform (3) thus lacks an internal segment compared to isoform 1.