

Product datasheet for **SC314050**

ISM2 (NM_199296) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ISM2 (NM_199296) Human Untagged Clone
Tag:	Tag Free
Symbol:	ISM2
Synonyms:	TAIL1; THSD3
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_199296, the custom clone sequence may differ by one or more nucleotides

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ATGCGTGCGCTCCGCGACCGAGCCGGGCTCCTCCTCTGCGTGCTGCTGGCGGCGCTG
CTGGAGGCGGCGCTAGGGCTCCCCGTGAAGAAGCCGCGGCTCCGCGGACCACGGCCTGGG
AGCCTCACGAGGCTCGCAGAGGTCTCAGCCTCCCAGATCCTAGGCCTCTGAAGGAAGAG
GAGGAGGCACCACTGCTCCCCAGAACCACCTGCAGGCAGAGCCACCAACATGGATGC
TGGACTGTCACTGAGCCAGCAGCCATGACCCCAGGCAACGCCACCCCTCCCAGGACCCCA
GAGGTTACTCCGTTGCGGCTGGAGCTGCAGAAGCTGCCGGGATTGGCCAACACAACCTTG
AGTACCCCTAACCTGATACCCAGGCTTCAGCCTCCCAGATCCTAGGCCTCTGAGGGAA
GAGGAGGAGGCACGACTGCTCCCCAGAACCACCTGCAGGCAGAGCTACACCAACATGGA
TGTTGGACTGTCACTGAGCCAGCAGCCCTGACCCCAGGGAATGCCACGCCTCCCAGGACC
CAGGAGGTTACTCCCTTGCTGCTGGAGCTGCAGAAGCTGCCAGAATTGGTCCACGCAACC
TTGAGTACCCCTAACCTGATAACCAGGTGACCATCAAGGTGGTGGAGGACCCCAAGGCC
GAGGTGTCGATAGACCTGTTGGCTGAGCCAGCAATCCCCGCCCCAGGATACCTTAGC
TGGCTGCCCGCCCTCTGGTCTTCTCTGGGAGACTACAAAGGAGAGGAAAAAGACAGG
GCCCCAGGGGAGAAGGGGAGGAAAAGGAGGAAGACGAGGACTATCCTTCAGAGGATATC
GAGGGTGAGGATCAAGAGGACAAAGAGGAAGATGAGGAAGAGCAGGCGCTCTGTTCAAT
GGAATACAGACAACTGGGACCAAGGCTGGCTGGCCCCCGGGATTGGGTCTTCAAGGAT
TCTGTCACTACGACTATGAGCCTCAGAAGGAGTGGAGTCCCTGGTCTCCTGCAGTGGG
AACTGCAGCACTGGCAAGCAGCAGAGGACTCGGCCCTGTGGCTATGGCTGCACTGCCACC
GAGACCCGTACCTGTGACCTGCCCTCCTGTCTGGCACTGAGGACAAGGACACCTTGGGC
CTCCCCAGTGAGGAGTGAAGCTCCTGGCCGCAATGCTACGGACATGCATGATCAAGAT
GTGGACAGCTGTGAGAAGTGGCTGAAGTCAAGAGCGACTTCTAATCAAGTATCTGAGC
CAGATGTGCGGGACCTGCCAGCTGCCGTGTGCCTACCCACTGGAGGCCATGGACAGC
CCTGTGAGCCTACAGGACGAGCACCAGGCGCCGAGCTTCCGGTGGAGGGATGCCAGTGGC
CCTCGCGAGCGCCTGGACATCTACCAGCCACGCGCGCTTCTGCCTGCGTTCCATGCTG
TCTGGGGAGAGCAGCACACTGGCCGCCAGCACTGCTGCTATGACGAGGACAGCCGGCTG
CTGACCCGTGGCAAGGGCGCCGGCATGCCAACCTCATCAGCACCAGACTTCTCACCTAAG
CTGCACTTCAAGTTCGACACGACGCCCTGGATCCTGTGCAAGGGGAGTGGAGCCGCCTC
CACGCTGTGCTCCCTCCCAACAACGGCCGAGCCTGCACCGACAACCCCTGGAGGAGGAG
TACCTAGCACAGTTGCAGGAGGCCAAGGAGTAC

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Restriction Sites:	Please inquire
ACCN:	NM_199296
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_199296.1, NP_954993.1</u>
RefSeq Size:	2942 bp
RefSeq ORF:	1716 bp
Locus ID:	145501
UniProt ID:	<u>Q6H9L7</u>
Cytogenetics:	14q24.3
Protein Families:	Transmembrane
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 (1) encodes the longest isoform (1).