

Product datasheet for **SC305957**

EMID2 (COL26A1) (NM_133457) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EMID2 (COL26A1) (NM_133457) Human Untagged Clone
Tag:	Tag Free
Symbol:	EMID2
Synonyms:	EMI6; EMID2; EMU2; SH2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305957 representing NM_133457. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGCTGGCCCTGCTCCTGCCCTGGCGTGTGCTGCCTCTGCGGGTCGGCGCTGGCCACCGGCTTC
CTCTATCCCTTCTCGGCCGAGCTCTGCAGCAGCACGGCTACCCCGAGCCCGGGCCGGCTCCCCTGGC
AGCGGCTACGCGAGCCGGCCGACTGGTGCCATCACACAGTGACACGGACGGTGTCTGCCAGGTGCAG
AATGGCTCGGAGACGGTGGTCCAGCGGTGTACCAGAGCTGCCGGTGGCCGGGGCCCTGCCAACCTC
GTAAGGACTCTGATCAGACCCACCTACAGAGTGTCTACCGCACGGTACGGTGTGGAGTGGAGATGC
TGCCCTGGCTTACCCGGGAGCAACTGTGATGAGGAATGCATGAACTGCACCCGGCTCAGTGACATGAGT
GAGCGACTGACCACACTGGAGGCCAAGGTCTCTGCTAGAAGCAGCAGAACGGCCCTCCAGCCCGGAC
AACGACCTGCCAGCCCCGAGAGCACTCCGCCGACCTGGAATGAGGACTTCTCCCCGACGCCATCCCT
CTTGCTCACCTGTGCCACGACAGAGAAGGCCACGGGCCAGCCGGGCCCGGGGCGAGACAGGACCA
CCAGGGCTGCAGGCCCGGGTCTAAAGGTGACCGAGGCCAGACAGGAGAGAAGGGTCCAGCGGGG
CCGCTGGGCTCCTGGGGCTCCAGGGCCCGTGGGCTTCTGGAGAGATGGGGCGCCCGGGCCCCCA
GGACCACCGGCCAGCAGGCAACCCAGGCCCTCACAAACAGCCCCAGGGCGCCCTACTCCCTG
CAGCCGCTACAGACAAAGACAATGGAGACTCAAGGCTGGCCTTGCCATCGTGGACACAGTGTGGCA
GGTGTCCAGGACCCCGGGTCCCCTGGTCCACCAGTCCCCCTGGGCTCGAGGTCCCCAGGACCC
CCAGGAACACTGGATCCAGGGCTGGCTGGAGAGCGAGGCACAGTGGGGCCGTCCGGTGAACCTGGC
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CTGAAGATCCTGGCAGAGCGAGTCTCATCTGGAGCACATGATTGGGATCCACGATCCCCTGGCTCC
CCAGAGGGAGTTCTGGCCAGGATGCTGCCCTGAGAGCCAACCTCAAGATGAAGAGGGGTGGCGCCAA
CCCATGGGGTCTTGTGCCCTGCTGGGCCGACCCTGGACAGAAGAGCGTGGACCAGGCCAGCAGC
AGGAAGTGA
ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_133457
Insert Size:	1320 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).
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_133457.4</u>
RefSeq Size:	3051 bp
RefSeq ORF:	1320 bp
Locus ID:	136227
UniProt ID:	<u>Q96A83</u>
Cytogenetics:	7q22.1
Protein Families:	Secreted Protein, Transmembrane
MW:	45.1 kDa
Gene Summary:	<p>This gene encodes a protein containing an emilin domain and two collagen stretches. This gene may be associated with aspirin-intolerant asthma. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2013]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.</p>