

Product datasheet for **SC302015**

Ecat1 (KHDC3L) (NM_001017361) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Ecat1
Synonyms:	C6orf221; ECAT1; HYDM2
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001017361 edited
 TTTGCTGTGGTGTCTTGTCTCCTGCAGGACCGCCGACGATGGACGCTCCCAGGCGGT
 TTCCGACGCTCGTGCAACTGATGCAGCCAAAAGCAATGCCAGTGGAGGTGCTCGGTCACC
 TCCCTAAGCGGTTCTCCTGGTTCCACTCTGAGTTCCTGAAGAATCCGAAGGTAGTTCGCC
 TTGAGGTTTGGCTGGTGGAAAAGATCTTCGGCCGGGGCGGAGAACGCATCCCGCACGTCC
 AGGGTATGTCCAAATCTTGATTCACGTGAATCGATTGGACCCTAACGGCGAGGCTGAGA
 TCTTGATTTTGGGAGGCCTTCTTACCAGGAGGACACAATCAAGATGATCATGAACCTGG
 CTGACTATCACCGCCAGCTCCAGGCGAAAGGCTCAGGAAAGGCCCTCGCCAGGATGTCTG
 CCACTCAGAAGGCCGAGACCCAGCGGTCTTCAATAGAAGTCCGGGAGGCCGGGACGCAGC
 GTTCGGTGGAGGTCCGGGAGGCCGGGACCCAGCGTTTCGGTGAAGTCCAGGAGGTCCGGA
 CACAGGGTTCTCCGGTGGAGGTGCAGGAGGCCGGGACCCAGCAGTCTCTCCAGGCTGCCA
 ACAAGTCGGGGACCCAGCGATCCCCGAAGCTGCCAGCAAGGCAGTGACCCAGCGGTTTC
 GCGAGGATGCCCGGACCCAGTTACTAGATTATGAAGGCATCTCAGGCC



5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001017361 unedited <pre> GTTAAGTTCATATTTGTATACCATCATATAGCGGCCGCGNATTCAGATCTGGTACCGAG CTCGGATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGCCCTTGTTTGCTGTGGTGT CCTTGTCTCTGCAGGACCGGCCGAGCATGGACGCTCCAGGCGGTTTCCGACGCTCGT GCAACTGATGCAGCAAAAGCAATGCCAGTGGAGGTGCTCGGTACCTCCCTAAGCGGTT CTCCTGGTCCACTCTGAGTTCCTGAAGAATCCGAAGTAGTTCGCCTTGAGGTTTGGCT GGTGGAAAAGATCTTCGGCCGGGGCGGAGAACGCATCCCGCACGTCCAGGGTATGTCCCA AATCTTGATTCACGTGAATCGATTGGACCTAACGGCGAGGCTGAGATCTTGGTATTGG GAGGCCTTCTTACCAGGAGGACACAATCAAGATGATCATGAACCTGGCTGACTATCACCG CCAGCTCCAGGCGAAAGGCTCAGGAAAGGCCCTCGCCAGGATGTCGCCACTCAGAAGGC CGAGACCCAGCGGTCTTCAATAGAAGTCCGGGAGGCCGGGACGACGCTTCGGTGGAGGT CCGGGAGGCCGGGACCCAGCGTTTCGGTGGAAGTCCAGGAGGTCGGGACACAGGGTTCTCC GGTGGAGGTGCAGGAGGCCGGGACCCAGCAGTCTCTCAGGCTGCCAACAGTCGGGGAC CCAGCGATCCCCGAAGCTGCCAGCAAGGCAGTGACCCAGCGGTTTCGCGAGGATGCCCG GGACCCAGTTACTAGATTATGAANNGCATCTCAGCCCCAAGGCGAATTCTGCAGATATCC ATCACACTGGCGGCCGCTCGAGCATGCATCTAGATTGCGGC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001017361
Insert Size:	700 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001017361.1</u> , <u>NP_001017361.1</u>
RefSeq Size:	1063 bp
RefSeq ORF:	654 bp

Locus ID: 154288

UniProt ID: [Q587J8](#)

Cytogenetics: 6q13

Gene Summary: The protein encoded by this gene belongs to the KHDC1 family, members of which contain an atypical KH domain that may not bind RNA like canonical KH domains. This gene is specifically expressed in the oocytes, and recent studies suggest that it may function as a regulator of genomic imprinting in the oocyte. Mutations in this gene are associated with recurrent biparental complete hydatidiform mole. [provided by RefSeq, Dec 2011]