# Es Cell-Associated Transcript 1 Protein (ECAT1) Human Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | ES cell-associated transcript 1 protein (ECAT1), Recombinant Protein |
| **Full Product Name** | Recombinant Human ES cell-associated transcript 1 protein (ECAT1) |
| **Product Gene Name** | ECAT1 recombinant protein |
| **Product Synonym Gene Name** | ECAT1 |
| **Sequence** | MDAPRRFPTL VQLMQPKAMP VEVLGHLPKR FSWFHSEFLK NPKVVRLEVW LVEKIFGRGG ERIPHVQGMS QILIHVNRLD PNGEAEILVF GRPSYQEDTI KMIMNLADYH RQLQAKGSGK ALAQDVATQK AETQRSSIEV REAGTQRSVE VREAGTQRSV EVQEVGTQGS PVEVQEAGTQ QSLQAANKSG TQRSPEAASK AVTQRFREDA RDPVTRL |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 24,306 Da |
| **Sequence Positions** | 1-217, Full length protein |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **OMIM** | 611687 |
| **3D Structure** | ModBase 3D Structure for Q587J8 |
| **Species** | Human |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for ECAT1 recombinant protein** | MBS1397894 is a recombinant protein targeting ECAT1. Also known as Recombinant Human ES cell-associated transcript 1 protein (ECAT1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of ECAT1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ECAT1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 62821796 |
| **NCBI GeneID** | 154288 |
| **NCBI Accession #** | NP_001017361.1 |
| **UniProt Primary Accession #** | Q587J8 |

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| **UniProt Secondary Accession #** | B2RNW7 |
| **UniProt Related Accession #** | Q587J8 |
| **GenBank Nucleotide #** | NM_001017361.2 |
| **NCBI Official Full Name** | KHDC3-like protein |
| **NCBI Official Synonym Full Names** | KH domain containing 3 like, subcortical maternal complex member |
| **NCBI Official Symbol** | KHDC3L |
| **NCBI Official Synonym Symbols** | ECAT1; HYDM2; C6orf221 |
| **UniProt Protein Name** | KHDC3-like protein |
| **UniProt Synonym Protein Names** | ES cell-associated transcript 1 protein |
| **UniProt Gene Name** | KHDC3L |
| **UniProt Synonym Gene Names** | C6orf221; ECAT1 |
| **NCBI Protein Information** | KHDC3-like protein |
| **NCBI Summary for ECAT1** | 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] |
| **Research Articles on ECAT1** | **1.** No disease-causing mutations were identified in NLRP2, NLRP7 and KHDC3L in cohorts of unexplained infertility and recurrent pregnancy loss. |
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