CTSE Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	CTSE, Recombinant Protein
Full Product Name	Recombinant Mouse CTSE
Product Gene Name	CTSE recombinant protein
Product Synonym Names	Cathepsin E; ctse
Sequence	Ser60-Pro3 97
Host	Mammalian Cells
Form/Format	Lyophilized from a 0.2um filtered solution of PBS, pH7.4
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Preparation and Storage	The lyophilized protein is stable at -20 degree C for up to 1 year. After reconstitution, the protein solution is stable at -20 to -80 degree C for 3 months or 1 week at 2 to 8 degree C under sterile conditions. For extended storage, it is recommended to further dilute in working aliquots, avoid repeated freeze/thaw cycle.
Molecular Weight	41.8kDa (385aa) 40-57KDa (SDS-PAGE under reducing conditions.)
3D Structure	ModBase 3D Structure for P70269
Species	Mouse
Endotoxin	< 1 EU/ug as determined by LAL test.
Tag	C-terminal His Tag
Reconstitution	Centrifuge the vial at 10000rpm for 30s before opening, reconstitute in sterile distilled water to a concentration of 0.1-1mg/ml by gently pipetting 2-3 times, don't vortex.
Product Categories/Family for CTSE recombinant protein	cytokines
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for CTSE recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for CTSE recombinant protein	MBS7621977 is a recombinant protein targeting CTSE. Also known as Recombinant Mouse CTSE. Host: Mammalian Cells.
Other Notes	Small volumes of CTSE 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 CTSE. It may not necessarily be applicable to this product.

NCBI GI #	166235886
NCBI GeneID	13034
NCBI Accession #	NP_031825
UniProt Primary Accession #	P70269

UniProt Secondary Accession #	O35647; Q3UKT5; Q4FK00
UniProt Related Accession #	P70269
GenBank Nucleotide #	NM_007799.3
NCBI Official Full Name	cathepsin E preproprotein
NCBI Official Synonym Full Names	cathepsin E
NCBI Official Symbol	Ctse
NCBI Official Synonym Symbols	CE; CatE; A430072O03Rik; C920004C08Rik
UniProt Protein Name	Cathepsin E
Protein Family	Cathepsin
UniProt Gene Name	Ctse
NCBI Protein Information	cathepsin E
NCBI Summary for CTSE	This gene encodes a member of the peptidase A1 family of aspartate proteases and preproprotein that is proteolytically processed to generate a mature protein product. The encoded protein may be involved in antigen processing and the maturation of secretory proteins. Elevated expression of this gene has been observed in neurodegeneration. Homozygous knockout mice for this gene exhibit lysosomal storage disorder, impaired autophagy, mitochondrial abnormalities, dermatitis, and reduced weight gain in an obesity model. [provided by RefSeq, Aug 2015]
UniProt Comments for CTSE	May have a role in immune function. Probably involved in the processing of antigenic peptides during MHC class II-mediated antigen presentation. May play a role in activation-induced lymphocyte depletion in the thymus, and in neuronal degeneration and glial cell activation in the brain.
Research Articles on CTSE	**1.** Cathepsin E, mitochondrial fission, and caspase activation/apoptosis are linked in the pathogenesis of pulmonary emphysema.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/ctse/7621977