Ubiquitin Carboxyl-Terminal Hydrolase 37 (USP37) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ubiquitin carboxyl-terminal hydrolase 37 (Usp37), Recombinant Protein
Full Product Name	Recombinant Mouse Ubiquitin carboxyl-terminal hydrolase 37 (Usp37) , partial
Product Gene Name	Usp37 recombinant protein
Product Synonym Gene Name	Usp37
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	107,733 Da
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.
3D Structure	ModBase 3D Structure for Q8C0R0
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Usp37 recombinant protein	MBS1373367 is a recombinant protein targeting Usp37. Also known as Recombinant Mouse Ubiquitin carboxyl-terminal hydrolase 37 (Usp37) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Usp37 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 Usp37. It may not necessarily be applicable to this product.

NCBI GI #	893570402
NCBI GeneID	319651
NCBI Accession #	NP_001297591.1
UniProt Primary Accession #	Q8C0R0
UniProt Secondary Accession #	Q69ZF6; Q8BZE6; B2RT12
UniProt Related Accession #	Q8C0R0
GenBank Nucleotide #	NM_001310662.1
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 37 isoform 2
NCBI Official Synonym Full Names	ubiquitin specific peptidase 37

NCBI Official Symbol	Usp37
NCBI Official Synonym Symbols	4932415L06Rik; C330008N13Rik
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 37
UniProt Synonym Protein Names	Deubiquitinating enzyme 37; Ubiquitin thioesterase 37; Ubiquitin-specific-processing protease 37
Protein Family	Ubiquitin carboxyl-terminal hydrolase
UniProt Gene Name	Usp37
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 37
UniProt Comments for Usp37	Deubiquitinase that antagonizes the anaphase-promoting complex (APC/C) during G1/S transition by mediating deubiquitination of cyclin-A (CCNA1 and CCNA2), thereby promoting S phase entry. Specifically mediates deubiquitination of 'Lys-11'-linked polyubiquitin chains, a specific ubiquitin-linkage type mediated by the APC/C complex. Also mediates deubiquitination of 'Lys-48'-linked polyubiquitin chains in vitro. Phosphorylation at Ser-628 during G1/S phase maximizes the deubiquitinase activity, leading to prevent degradation of cyclin-A (CCNA1 and CCNA2). Plays an important role in the regulation of DNA replication by stabilizing the licensing factor CDT1.
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