Cys-Gly Metallodipeptidase Dug1 (dug1) Schizosaccharomyces Pombe Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cys-Gly metallodipeptidase dug1 (dug1), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces pombe Cys-Gly metallodipeptidase dug1 (dug1)
Product Gene Name	dug1 recombinant protein
Product Synonym Gene Name	dug1
Sequence	MKMSLDKLYE VIDKKKDEFV TRLSRAVSIP SVSADVTLRP KVVEMADFVV SEFTKLGAKM EKRDIGYHQM DGQDVPLPPI VLGQYGNDPS KKTVLIYNHF DVQPASLEDG WSTDPFTLTV DNKGRMFGRG ATDDKGPLIG WISAIEAHKE LGIDFPVNLL MCFEGMEEYG SEGLEDLIRA EAEKYFAKAD CVCISDTYWL GTKKPVLTYG LRGVCYFNIT VEGPSADLHS GVFGGTVHEP MTDLVAIMST LVKPNGEILI PGIMDQVAEL TPTEDSIYDG IDYTMEDLKE AVGADISIYP DPKRTLQHRW RYPTLSLHGI EGAFSGSGAK TVIPAKVIGK FSIRTVPNME SETVERLVKE HVTKVFNSLN SKNKLAFNNM HSGSWWISSP DHWHYDVGKK ATERVYGITP DFVREGGSIP VTVTFEQSLK KNVLLLPMGR GDDGAHSINE KLDLDNFLKG IKLFCTYVHE LASVSP
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	52,840 Da
Sequence Positions	1-476, Full length
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 Q9P6I2
Species	Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dug1 recombinant protein	MBS1355790 is a recombinant protein targeting dug1. Also known as Recombinant Schizosaccharomyces pombe Cys-Gly metallodipeptidase dug1 (dug1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dug1 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 dug1. It may not necessarily be applicable to this product.

NCBI GI #	429239506
NCBI GeneID	2539648
NCBI Accession #	NP_595077.2

UniProt Primary Accession #	Q9P6I2
UniProt Secondary Accession #	P78801
GenBank Nucleotide #	NM_001020983.2
NCBI Official Full Name	dipeptidase Dug1 (predicted)
NCBI Official Symbol	SPBC1198.08
UniProt Protein Name	Cys-Gly metallodipeptidase dug1
UniProt Synonym Protein Names	GSH degradosomal complex subunit DUG1
Protein Family	Cys-Gly metallodipeptidase
UniProt Gene Name	dug1
NCBI Protein Information	dipeptidase Dug1 (predicted)
UniProt Comments for dug1	Catalytic component of the GSH degradosomal complex involved in the degradation of glutathione (GSH) and other peptides containing a gamma-glu-X bond. Has a Gly-Cys dipeptidase activity.
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