Bifunctional Arginine Demethylase and Lysyl-Hydroxylase PSR (PSR) Drosophila Melanogaster Recombinant Protein

PRODUCT OVERVIEW

Product Name	Bifunctional arginine demethylase and lysyl-hydroxylase PSR (PSR), Recombinant Protein
Full Product Name	Recombinant Drosophila melanogaster Bifunctional arginine demethylase and lysyl-hydroxylase PSR (PSR)
Product Gene Name	PSR recombinant protein
Product Synonym Gene Name	PSR
Sequence	MSEEFKLPKR SRKRTREVKR KARPELDGEN AWSAMRYCEK FEPFWDFTDN LERIEESQVP ESEFIERFER PYKPVVIRGC TDGWLALEKW TLARLAKKYR NQKFKCGEDN EGYSVKMKMK YYVEYMQSTR DDSPLYIFDS SFGEHHRRRK LLDDYVVPKY FRDDLFQYCG ENRRPPYRWF VMGPARSGTG IHIDPLGTSA WNTLIRGHKR WCLFPTQTPK ELLKVTSAMG GKQRDEAITW FSTIYPRTQL PSWPEQYRPI EVLQGAGETV FVPGGWWHVV LNMDDTIAIT QNFSSQTNFP CVWHKTVRGR PKLSRKWLRV LRDQRPELAQ IADSINLNES TGFASDSSSN SSSSSSSSS SSEEEESDDG GDSNTDSGQE SLTAKKKKKR RMAGGGSGSG SMGGSSRS
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	47,006 Da
Sequence Positions	1-408, 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.
3D Structure	ModBase 3D Structure for Q9VD28
Species	Drosophila melanogaster (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PSR recombinant protein	MBS1350400 is a recombinant protein targeting PSR. Also known as Recombinant Drosophila melanogaster Bifunctional arginine demethylase and lysyl-hydroxylase PSR (PSR). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PSR 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 PSR. It may not necessarily be applicable to this product.

NCBI GI #	21355815
NCBI GeneID	42616
NCBI Accession #	NP_651026.1

UniProt Primary Accession #	Q9VD28
UniProt Related Accession #	Q9VD28
GenBank Nucleotide #	NM_142769.4
NCBI Official Full Name	phosphatidylserine receptor, isoform A
NCBI Official Synonym Full Names	phosphatidylserine receptor
NCBI Official Symbol	PSR
NCBI Official Synonym Symbols	BEST:LD22859; CG5383; DmelCG5383; dPSR; L0022859; PS; psr; Psr
UniProt Protein Name	Bifunctional arginine demethylase and lysyl-hydroxylase PSR
Protein Family	Bifunctional arginine demethylase and lysyl-hydroxylase
UniProt Gene Name	PSR
NCBI Protein Information	CG5383 gene product from transcript CG5383-RA
UniProt Comments for PSR	Dioxygenase that can both act as a histone arginine demethylase and a lysyl-hydroxylase.
Research Articles on PSR	**1.** Drosophila PSR acts through the c-Jun-NH(2) terminal kinase pathway to alter the sensitivity to cell death
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