Vinorine Synthase (ACT) Rauvolfia Serpentina Recombinant Protein

PRODUCT OVERVIEW

Product Name	Vinorine synthase (ACT), Recombinant Protein
Full Product Name	Recombinant Rauvolfia serpentina Vinorine synthase (ACT)
Product Gene Name	ACT recombinant protein
Product Synonym Gene Name	ACT
Sequence	APQMEKVSEE LILPSSPTPQ SLKCYKISHL DQLLLTCHIP FILFYPNPLD SNLDPAQTSQ HLKQSLSKVL THFYPLAGRI NVNSSVDCND SGVPFVEARV QAQLSQAIQN VVELEKLDQY LPSAAYPGGK IEVNEDVPLA VKISFFECGG TAIGVNLSHK IADVLSLATF LNAWTATCRG ETEIVLPNFD LAARHFPPVD NTPSPELVPD ENVVMKRFVF DKEKIGALRA QASSASEEKN FSRVQLVVAY IWKHVIDVTR AKYGAKNKFV VVQAVNLRSR MNPPLPHYAM GNIATLLFAA VDAEWDKDFP DLIGPLRTSL EKTEDDHNHE LLKGMTCLYE LEPQELLSFT SWCRLGFYDL DFGWGKPLSA CTTTFPKRNA ALLMDTRSGD GVEAWLPMAE DEMAMLPVEL LSLVDSDFSK
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	46,828 Da
Sequence Positions	2-421, 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 Q70PR7
Species	Rauvolfia serpentina (Serpentwood) (Devilpepper)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ACT recombinant protein	MBS1326973 is a recombinant protein targeting ACT. Also known as Recombinant Rauvolfia serpentina Vinorine synthase (ACT). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ACT 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 ACT. It may not necessarily be applicable to this product.

NCBI GI #	75136987
NCBI Accession #	Q70PR7.2
UniProt Primary Accession #	Q70PR7
NCBI Official Full Name	Vinorine synthase

UniProt Protein Name	Vinorine synthase
Protein Family	Agmatine coumaroyltransferase
UniProt Gene Name	ACT
UniProt Comments for ACT	Acetyltransferase that catalyzes the formation of vinorine, a precursor of the antiarrhythmic monoterpenoid indole alkaloid ajmaline. Acts on gardneral, but not on polyneuridine aldehyde or N-methylgardneral.
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