Leucoanthocyanidin Dioxygenase (ANS) Perilla Frutescens Recombinant Protein

PRODUCT OVERVIEW

Product Name	Leucoanthocyanidin dioxygenase (ANS), Recombinant Protein
Full Product Name	Recombinant Perilla frutescens Leucoanthocyanidin dioxygenase (ANS)
Product Gene Name	ANS recombinant protein
Sequence	MVTSAMGPSP RVEELARSGL DTIPKDYVRP EEELKSIIGN ILAEEKSSEG PQLPTIDLEE MDSRDEEGRK KCHEELKKAA TDWGVMHLIN HGIPEELIDR VKAAGKEFFE LPVEEKEAYA NDQAAGNVQG YGSKLANNAS GQLEWEDYFF HCVYPEHKTD LSIWPTKPPD YIPATSEYAK QLRALATKIL SVLSIGLGLE KGRLEKEVGG AEDLIVQMKI NFYPKCPQPE LALGWEAHTD VSALTFILHN MVPGLQLFYE DKWVTAKCVP NSIIMHIGDT LEILSNGKYK SILHRGLVNK EKVRISWAVF CEPPKEKIVL QPLPETVSEV EPPRFPPRTF AQHLKHKLFR KTDGDLDEKP TY
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	40,826 Da
Sequence Positions	1-362, 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 O04274
Species	Perilla frutescens (Beefsteak mint) (Perilla ocymoides)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ANS recombinant protein	MBS1230336 is a recombinant protein targeting ANS. Also known as Recombinant Perilla frutescens Leucoanthocyanidin dioxygenase (ANS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ANS 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 ANS. It may not necessarily be applicable to this product.

NCBI GI #	50400804
NCBI Accession #	O04274.1
UniProt Primary Accession #	O04274
NCBI Official Full Name	Leucoanthocyanidin dioxygenase
UniProt Protein Name	Leucoanthocyanidin dioxygenase

UniProt Synonym Protein Names	Leucoanthocyanidin hydroxylase
UniProt Gene Name	ANS
UniProt Synonym Gene Names	LDOX; Leucocyanidin oxygenase
UniProt Comments for ANS	Oxidation of leucoanthocyanidins into anthocyanidins.
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.
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