Crustacyanin-A2 Subunit Homarus Gammarus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Crustacyanin-A2 subunit, Recombinant Protein
Full Product Name	Recombinant Homarus gammarus Crustacyanin-A2 subunit
Sequence	DGIPSFVTAG KCASVANQDN FDLRRYAGRW YQTHIIENAY QPVTRCIHSN YEYSTNDYGF KVTTAGFNPN DEYLKIDFKV YPTKEFPAAH MLIDAPSVFA APYEVIETDY ETYSCVYSCI TTDNYKSEFA FVFSRTPQTS GPAVEKTAAV FNKNGVEFSK FVPVSHTAEC VYRA
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	19,670 Da
Sequence Positions	1-174, 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 P80007
Species	Homarus gammarus (European lobster) (Homarus vulgaris)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Crustacyanin-A2 subunit recombinant protein	MBS1055035 is a recombinant protein targeting Crustacyanin-A2 subunit. Also known as Recombinant Homarus gammarus Crustacyanin-A2 subunit. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Crustacyanin-A2 subunit 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 Crustacyanin-A2 subunit. It may not necessarily be applicable to this product.

NCBI GI #	117330
NCBI Accession #	P80007.1
UniProt Primary Accession #	P80007
NCBI Official Full Name	Crustacyanin-A2 subunit
UniProt Protein Name	Crustacyanin-A2 subunit
Protein Family	Crustacyanin

UniProt Comments for Crustacyanin-A2 subunit	Binds the carotenoid astaxanthin (AXT) which provides the blue coloration to the carapace of the lobster.
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