Glutathione-Dependent Formaldehyde-Activating Enzyme (gfa) Bradyrhizobium Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutathione-dependent formaldehyde-activating enzyme (gfa), Recombinant Protein
Full Product Name	Recombinant Bradyrhizobium sp. Glutathione-dependent formaldehyde-activating enzyme (gfa)
Product Gene Name	gfa recombinant protein
Sequence	MTVHIHPSVD HGVKQGSGHF AGGTLVCKCH DRPVKVGIKG DVAHNHACGC TKCWKPSGAT FSVVAVVPRQ NVTVLENGDK LKIVDASAVI QRYACTGCGT HMYGRIENTG HPFYGLDFIH PELFQEQGSA APGFAAFVSS VIESGVKPEQ MGEIRARLKE LGLEPYDCLS PALMDAIATH VAKAKAA
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	19,877 Da
Sequence Positions	1-187, 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 A4YZ37
Species	Bradyrhizobium sp. (strain ORS278)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gfa recombinant protein	MBS1225752 is a recombinant protein targeting gfa. Also known as Recombinant Bradyrhizobium sp. Glutathione-dependent formaldehyde-activating enzyme (gfa). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gfa 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 gfa. It may not necessarily be applicable to this product.

NCBI GI #	500949041
NCBI Accession #	WP_012029076.1
UniProt Primary Accession #	A4YZ37
GenBank Nucleotide #	WP_012029076.1
NCBI Official Full Name	glutathione-dependent formaldehyde-activating enzyme
UniProt Protein Name	Glutathione-dependent formaldehyde-activating enzyme

UniProt Synonym Protein Names	S-(hydroxymethyl)glutathione synthase
Protein Family	Glutathione-dependent formaldehyde-activating enzyme
UniProt Gene Name	gfa
UniProt Comments for gfa	Catalyzes the condensation of formaldehyde and glutathione to S-hydroxymethylglutathione.
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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