Hemoglobin Subunit Alpha (hbaa1) Danio Rerio Recombinant Protein

PRODUCT OVERVIEW

Product Name	Hemoglobin subunit alpha (hbaa1), Recombinant Protein
Full Product Name	Recombinant Danio rerio Hemoglobin subunit alpha (hbaa1)
Product Gene Name	hbaa1 recombinant protein
Product Synonym Gene Name	hbaa1
Sequence	SLSDTDKAVV KAIWAKISPK ADEIGAEALA RMLTVYPQTK TYFSHWADLS PGSGPVKKHG KTIMGAVGEA ISKIDDLVGG LAALSELHAF KLRVDPANFK ILSHNVIVVI AMLFPADFTP EVHVSVDKFF NNLALALSEK YR
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	15,522 Da
Sequence Positions	2-143aa; Full Length of Mature 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 Q90487
Species	Zebrafish
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hbaa1 recombinant protein	MBS1346231 is a recombinant protein targeting hbaa1. Also known as Recombinant Danio rerio Hemoglobin subunit alpha (hbaa1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hbaa1 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 hbaa1. It may not necessarily be applicable to this product.

NCBI GI #	20138124
NCBI GeneID	30507
NCBI Accession #	Q90487.3
UniProt Primary Accession #	Q90487
UniProt Related Accession #	Q90487
NCBI Official Full Name	Hemoglobin subunit alpha

NCBI Official Synonym Full Names	hemoglobin, alpha adult 1
NCBI Official Symbol	hbaa1
NCBI Official Synonym Symbols	AA1; dZ118J2.2
UniProt Protein Name	Hemoglobin subunit alpha
UniProt Synonym Protein Names	Alpha-globin aa1; Hemoglobin alpha chain
UniProt Gene Name	hbaa1
NCBI Protein Information	hemoglobin subunit alpha
UniProt Comments for hbaa1	Involved in oxygen transport from gills to the various peripheral tissues.
Research Articles on hbaa1	**1.** Joint locus of alpha/beta-globin genes in Danio rerio is segregated into structural subdomains active at different stages of development.
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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