Isocitrate Dehydrogenase [NAD] Subunit Alpha, Mitochondrial (IDH3A) Macaca Fascicularis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial (IDH3A), Recombinant Protein
Full Product Name	Recombinant Macaca fascicularis Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial (IDH3A)
Product Gene Name	IDH3A recombinant protein
Product Synonym Gene Name	IDH3A
Sequence	TGGVQTVTLI PGDGIGPEIS AAVMKIFDAA KAPIQWEERN VTAIQGPGGK WMIPSEAKES MDKNKMGLKG PLKTPIAAGH PSMNLLLRKT FDLYANVRPC VSIEGYKTPY TDVNIVTIRE NTEGEYSGIE HVIVDGVVQS IKLITEGGSK RIAEFAFEYA RNNHRSNVTA VHKANIMRMS DGLFLQKCRE VAENCKDIKF NEMYLDTVCL NMVQDPSQFD VLVMPNLYGD ILSDLCAGLI GGLGVTPSGN IGANGVAIFE SVHGTAPDIA GKDMANPTAL LLSAVMMLRH MGLFDHAARI EAACFATIKD GKSLTKDLGG NAKCSDFTEE ICRRVKDLD
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	37,598 Da
Sequence Positions	9-347, 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 Q28480
Species	Macaca fascicularis (Crab-eating macaque) (Cynomolgus monkey)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for IDH3A recombinant protein	MBS1481435 is a recombinant protein targeting IDH3A. Also known as Recombinant Macaca fascicularis Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial (IDH3A). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of IDH3A 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 IDH3A. It may not necessarily be applicable to this product.

NCBI GI #	2851463
NCBI GeneID	101865050
NCBI Accession #	Q28480.2

UniProt Primary Accession #	Q28480
UniProt Related Accession #	Q28480
NCBI Official Full Name	Isocitrate dehydrogenase
NCBI Official Symbol	IDH3A
UniProt Protein Name	Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial
UniProt Synonym Protein Names	Isocitric dehydrogenase subunit alpha; NAD(+)-specific ICDH subunit alpha
Protein Family	Isocitrate dehydrogenase
UniProt Gene Name	IDH3A
NCBI Protein Information	isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial
UniProt Comments for IDH3A	Catalytic subunit of the enzyme which catalyzes the decarboxylation of isocitrate (ICT) into alpha-ketoglutarate. The heterodimer composed of the alpha (IDH3A) and beta (IDH3B) subunits and the heterodimer composed of the alpha (IDH3A) and gamma (IDH3G) subunits, have considerable basal activity but the full activity of the heterotetramer (containing two subunits of IDH3A, one of IDH3B and one of IDH3G) requires the assembly and cooperative function of both heterodimers.
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