LOG Family Protein Ygdh (ygdH) Shigella Flexneri Recombinant Protein

PRODUCT OVERVIEW

Product Name	LOG family protein ygdH (ygdH), Recombinant Protein
Full Product Name	Recombinant Shigella flexneri LOG family protein ygdH (ygdH)
Product Gene Name	ygdH recombinant protein
Sequence	MITHISPLGS MDMLSQLEVD MLKRTASSDL YQLFRNCSLA VLNSGSLTDN SKELLSRFEN FDINVLRRER GVKLELINPP EEAFVDGRII RALQANLFAV LRDILFVYGQ IHNTVRFPNL NLDNSVHITN LVFSILRNAR ALHVGEAPNM VVCWGGHSIN ENEYLYARRV GNQLGLRELN ICTGCGPGAM EAPMKGAAVG HAQQRYKDSR FIGMTEPSII AAEPPNPLVN ELIIMPDIEK RLEAFVRIAH GIIIFPGGVG TAEELLYLLG ILMNPANKDQ VLPLILTGPK ESADYFRVLD EFVVHTLGEN ARRHYRIIID DAAEVARQMK KSMPLVKENR RDTGDAYSFN WSMRIAPDLQ MPFEPSHENM ANLKLYPDQP VEVLAADLRR AFSGIVAGNV KEVGIRAIEE FGPYKINGDK EIMRRMDDLL QGFVAQHRMK LPGSAYIPCY EICT
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	50,972 Da
Sequence Positions	1-454, 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 P0ADS1
Species	Shigella flexneri
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ygdH recombinant protein	MBS1259204 is a recombinant protein targeting ygdH. Also known as Recombinant Shigella flexneri LOG family protein ygdH (ygdH). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ygdH 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 ygdH. It may not necessarily be applicable to this product.

NCBI GI #	24114079
NCBI GeneID	1024184
NCBI Accession #	NP_708589.1
UniProt Primary Accession #	P0ADS1
UniProt Secondary Accession #	P37350; Q46921

GenBank Nucleotide #	NC_004337.2
NCBI Official Full Name	hypothetical protein SF2808
NCBI Official Symbol	ygdH
UniProt Protein Name	Pyrimidine/purine nucleotide 5'-monophosphate nucleosidase
UniProt Synonym Protein Names	AMP nucleosidase
Protein Family	LOG family protein
UniProt Gene Name	ppnN
NCBI Protein Information	hypothetical protein
UniProt Comments for ygdH	Catalyzes the hydrolysis of the N-glycosidic bond of diverse pyrimidine and purine nucleotide 5'-monophosphates, to form ribose 5-phosphate and the corresponding free base. Can use AMP, GMP, IMP, CMP, dTMP and UMP as substrates. Cannot catalyze the reverse reactions. May contribute to nucleoside pool homeostasis by degrading excess nucleotides and feeding back the ribose moiety to catabolism.
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