General Transcription Factor IIH Subunit 5 (gtf2h5) Dictyostelium Discoideum Recombinant Protein

PRODUCT OVERVIEW

Product Name	General transcription factor IIH subunit 5 (gtf2h5), Recombinant Protein
Full Product Name	Recombinant Dictyostelium discoideum General transcription factor IIH subunit 5 (gtf2h5)
Product Gene Name	gtf2h5 recombinant protein
Product Synonym Gene Name	gtf2h5
Sequence	MVHVYKGLFL ECDPPTKQFV EYISKQEHFE VIVLDETHLF LQGGDEKVIN SIQRRIDDLQ NQNTYSVFDK DQ
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	8,531 Da
Sequence Positions	1-72, 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 Q55CT8
Species	Dictyostelium discoideum (Slime mold)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gtf2h5 recombinant protein	MBS1475556 is a recombinant protein targeting gtf2h5. Also known as Recombinant Dictyostelium discoideum General transcription factor IIH subunit 5 (gtf2h5). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gtf2h5 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 gtf2h5. It may not necessarily be applicable to this product.

NCBI GI #	66826077
NCBI GeneID	8617348
NCBI Accession #	XP_646393.1
UniProt Primary Accession #	Q55CT8
GenBank Nucleotide #	XM_641301.1
NCBI Official Full Name	transcription initiation factor IIH5

NCBI Official Symbol	gtf2h5
UniProt Protein Name	General transcription factor IIH subunit 5
UniProt Synonym Protein Names	TFIIH basal transcription factor complex subunit 5
Protein Family	General transcription factor
UniProt Gene Name	gtf2h5
UniProt Synonym Gene Names	tfiih5
NCBI Protein Information	transcription initiation factor IIH5
UniProt Comments for gtf2h5	Component of the general transcription and DNA repair factor IIH (TFIIH) core complex, which is involved in general and transcription-coupled nucleotide excision repair (NER) of damaged DNA and, when complexed to CAK, in RNA transcription by RNA polymerase II. In NER, TFIIH acts by opening DNA around the lesion to allow the excision of the damaged oligonucleotide and its replacement by a new DNA fragment. In transcription, TFIIH has an essential role in transcription initiation. When the pre-initiation complex (PIC) has been established, TFIIH is required for promoter opening and promoter escape. Phosphorylation of the C-terminal tail (CTD) of the largest subunit of RNA polymerase II by the kinase module CAK controls the initiation of transcription.
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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