1,3-Beta-Glucanosyltransferase Gel4 (gel4) Neosartorya Fumigata Recombinant Protein

PRODUCT OVERVIEW

Product Name	1,3-beta-glucanosyltransferase gel4 (gel4), Recombinant Protein
Full Product Name	Recombinant Neosartorya fumigata 1,3-beta-glucanosyltransferase gel4 (gel4)
Product Gene Name	gel4 recombinant protein
Product Synonym Gene Name	gel4; AFUA_2G05340
Product Synonym Names	1,3-beta-glucanosyltransferase gel4; EC=2.4.1.-; Glucan elongating glucanosyltransferase 4
Sequence	KVLKACCWTI ALDANSYGNK FFYSNNGTEF FIRGVAYQQE YQANGTSTEN SDYTDPLANV DNCKRDIPYL KQLRTNVIRT YAVDPTKDHD ECMKLLDDAG IYLITDLSAP SESINRADPA WNTDLYKRYT SVIDAFAKYS NVIGFFAGNE VANDNNNTNS IAYVKAAVRD MKSYIKSKDY RSSLLVGYAT DDDAHIRADL ADYLVCGDKE SSIDMFGYNI YEWCGDSSFE KSGYKDRTEE FSKYPVPAFF SEYGCIDPKP RKFTDVAALY GPQMNDVWSG GIVYMYFQEA NDYGLVSVSG DNVKTKEDFS YLSVQMQKVT ATGVNSASYT ASNTAVPTCP SVGAKWEASN KLPPSPNSEL CDCMVETLSC TVKDSVDEKE YGDLFDYLCA AGVCGGINSN STSGDYGAYS VCSAKQKLSF VMNQYYKKNN KAATACDFDG KAQTKKGADA SGSCASLISQ AGTAGTGSVT AGATGSSGSG SASETSKGAA GVAA
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	58,873 Da
Sequence Positions	26-519. 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 P0C956
Species	Neosartorya fumigata (strain MYA-4609 / Af293 / CBS 101355 / FGSC A1100) (Aspergillus fumigatus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gel4 recombinant protein	MBS1252934 is a recombinant protein targeting gel4. Also known as Recombinant Neosartorya fumigata 1,3-beta-glucanosyltransferase gel4 (gel4). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gel4 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 gel4. It may not necessarily be applicable to this product.

NCBI GI #	70989629
NCBI GeneID	3506753

NCBI Accession #	XP_749664.1
UniProt Primary Accession #	P0C956
UniProt Secondary Accession #	Q4WHH9
UniProt Related Accession #	P0C956
GenBank Nucleotide #	XM_744571.1
NCBI Official Full Name	1,3-beta-glucanosyltransferase
NCBI Official Symbol	AFUA_2G05340
UniProt Protein Name	1,3-beta-glucanosyltransferase gel4
UniProt Synonym Protein Names	Glucan elongating glucanosyltransferase 4
Protein Family	1,3-beta-glucanosyltransferase
UniProt Gene Name	gel4
UniProt Entry Name	GEL4_ASPFU
NCBI Protein Information	1,3-beta-glucanosyltransferase
UniProt Comments for gel4	Splits internally a 1,3-beta-glucan molecule and transfers the newly generated reducing end (the donor) to the non-reducing end of another 1,3-beta-glucan molecule (the acceptor) forming a 1,3-beta linkage, resulting in the elongation of 1,3-beta-glucan chains in the cell wall. Involved in cell wall morphogenesis ().
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/13-beta-glucanosyltransferase-gel4-gel4/1252934