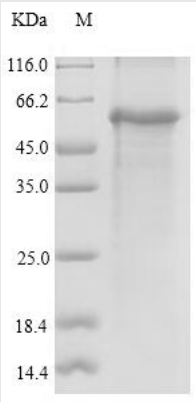
Polygalacturonase (PG) Cryptomeria Japonica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Polygalacturonase (PG), Recombinant Protein
Full Product Name	Recombinant Cryptomeria japonica Polygalacturonase
Product Gene Name	PG recombinant protein
Sequence	RKVEHSRHDA INIFNVEKYG AVGDGKHDCT EAFSTAWQAA CKKPSAMLLV PGNKKFVVNN LFFNGPCQPH FTFKVDGIIA AYQNPASWKN NRIWLQFAKL TGFTLMGKGV IDGQGKQWWA GQCKWVNGRE ICNDRDRPTA IKFDFSTGLI IQGLKLMNSP EFHLVFGNCE GVKIIGISIT APRDSPNTDG IDIFASKNFH LQKNTIGTGD DCVAIGTGSS NIVIEDLICG PGHGISIGSL GRENSRAEVS YVHVNGAKFI DTQNGLRIKT WQGGSGMASH IIYENVEMIN SENPILINQF YCTSASACQN QRSAVQIQDV TYKNIRGTSA TAAAIQLKCS DSMPCKDIKL SDISLKLTSG KIASCLNDNA NGYFSGHVIP ACKNLSPS
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 degree C, for extended storage, conserve at -20 degree C or -80 degree C.
Molecular Weight	58.2 kDa
Sequence Positions	46-433aa; 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 P43212
Production Note	**Special Offer:** The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our **technical support team** **or email to** **support@mybiosource.com** for more details.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PG recombinant protein	MBS1256851 is a recombinant protein targeting PG. Also known as Recombinant Cryptomeria japonica Polygalacturonase. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Product References and Citations for PG recombinant protein	Molecular cloning of the second major allergen, Cry j II, from Japanese cedar pollen.Namba M., Kurose M., Torigoe K., Hino K., Taniguchi Y., Fukuda S., Usui M., Kurimoto M.FEBS Lett. 353:124-128(1994) cDNA cloning and expression of Cry j II the second major allergen of Japanese cedar pollen.Komiyama N., Sone T., Shimizu K., Morikubo K., Kino K.Biochem. Biophys. Res. Commun. 201:1021-1028(1994) Identification of the second major allergen of Japanese cedar pollen.Sakaguchi M., Inouye S., Taniai M., Ando S., Usui M., Matuhasi T.Allergy 45:309-312(1990)
Other Notes	Small volumes of PG 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.



SDS-Page of PG recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PG. It may not necessarily be applicable to this product.

NCBI GI #	1171004
NCBI Accession #	P43212.1
UniProt Primary Accession #	P43212
NCBI Official Full Name	Polygalacturonase
UniProt Protein Name	Polygalacturonase
UniProt Synonym Protein Names	Allergen Cry j II; Major pollen allergen Cry j 2; Pectinase; Allergen: Cry j 2
Protein Family	Polygalacturonase
UniProt Gene Name	PG
UniProt Synonym Gene Names	PG
UniProt Entry Name	PGLR2_CRYJA
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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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.

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