Anthocyanidin 3-O-Glucosyltransferase 7 (GT7) Manihot Esculenta Recombinant Protein

PRODUCT OVERVIEW

Product Name	Anthocyanidin 3-O-glucosyltransferase 7 (GT7), Recombinant Protein
Full Product Name	Recombinant Manihot esculenta Anthocyanidin 3-O-glucosyltransferase 7 (GT7)
Product Gene Name	GT7 recombinant protein
Product Synonym Gene Name	GT7
Sequence	TLNLIPGMSK IQIRDLPEGV LFGNLESLFS QMLHNMGRML PRAAAVLMNS FEELDPTIVS DLNSKFNNIL CIGPFNLVSP PPPVPDTYGC MAWLDKQKPA SVAYISFGSV ATPPPHELVA LAEALEASKV PFLWSLKDHS KVHLPNGFLD RTKSHGIVLS WAPQVEILEH AALGVFVTHC GWNSILESIV GGVPMICRPF FGDQRLNGRM VEDVWEIGLL MDGGVLTKNG AIDGLNQILL QGKGKKMREN IKRLKELAKG ATEPKGSSSK SFTELANLVR SRGSYEN
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	31,397 Da
Sequence Positions	1-287, 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 Q40289
Species	Manihot esculenta (Cassava) (Jatropha manihot)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GT7 recombinant protein	MBS1309104 is a recombinant protein targeting GT7. Also known as Recombinant Manihot esculenta Anthocyanidin 3-O-glucosyltransferase 7 (GT7). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of GT7 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 GT7. It may not necessarily be applicable to this product.

NCBI GI #	2501496
NCBI Accession #	Q40289.1
UniProt Primary Accession #	Q40289
NCBI Official Full Name	Anthocyanidin 3-O-glucosyltransferase 7
UniProt Protein Name	Anthocyanidin 3-O-glucosyltransferase 7

UniProt Synonym Protein Names	Flavonol 3-O-glucosyltransferase 7; UDP-glucose flavonoid 3-O-glucosyltransferase 7
Protein Family	Anthocyanidin 3-O-glucosyltransferase
UniProt Gene Name	GT7
UniProt Synonym Gene Names	UGT73A7
UniProt Comments for GT7	In the presence of other necessary color factors, this glycosylation reaction allows the accumulation of anthocyanin pigments.
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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