

Putative glycosyltransferase 5 (GT5), Recombinant Protein

Cat *RP00433*

Size 0.5 mg (*E-Coli*)/ 0.05 mg (*Baculovirus*)/ 0.5 mg (*Yeast*)/ 0.05 mg
(*Mammalian-Cell*)/ 1 mg (*E-Coli*)/ 0.1 mg (*Baculovirus*)/ 1 mg
(*Yeast*)/ 0.1 mg (*Mammalian-Cell*)

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Putative glycosyltransferase 5 (GT5), partial

Product Gene Name

GT5 recombinant protein

Product Synonym Gene Name

GT5

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

MGQDGSPAHK RPSGSGGLP TTTLNKGGR GGRGGLPRG RQMKTFFNI K

Sequence Positions

1-51

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or *Yeast* or *Baculovirus* or *Mammalian Cell*

Molecular Weight

51,728 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

Probable glycosyltransferase

NCBI Accession

NP_177578.1

NCBI GI

15221224

NCBI GenBank Nucleotide

NM_106098.4

NCBI GeneID

843779

NCBI Official Full Name

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(*Mammalian-Cell*)/ 1 mg (*E-Coli*)/ 0.1 mg (*Baculovirus*)/ 1 mg
(*Yeast*)/ 0.1 mg (*Mammalian-Cell*)

NCBI Official Symbol

XXT5

NCBI Official Synonym Symbols

F1M20.6; F1M20_6; xyloglucan xylosyltransferase 5

NCBI Protein Information

xyloglucan xylosyltransferase 5

UniProt Gene Name

XXT5

UniProt Synonym Gene Names

AtGT5

UniProt Protein Name

Probable xyloglucan 6-xylosyltransferase 5

UniProt Synonym Protein Names

Putative glycosyltransferase 5 (EC:2.4.-.-); AtGT5

UniProt Primary Accession

Q9CA75

UniProt Secondary Accession

W8PVU0

UniProt Related Accession

Q9CA75

UniProt Comments

Probable xyloglucan xylosyltransferase involved in the biosynthesis of xyloglucan in roots. May act in association with XXT1 and XXT2 (PubMed:18557833). Associates with other xyloglucan-synthesizing enzymes to form multiprotein complexes for xyloglucan synthesis in the Golgi (PubMed:25392066).

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