

Beta-galactosidase 6 (BGAL6), Recombinant Protein

Cat *RP05281*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Beta-galactosidase 6 (BGAL6) , partial

Product Gene Name

BGAL6 recombinant protein

Product Synonym Gene Name

BGAL6

Purity

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

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

79,759 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

Beta-galactosidase

NCBI Accession

NP_568978.2

NCBI GI

30697899

NCBI GenBank Nucleotide

NM_125775.4

NCBI GeneID

836500

NCBI Official Full Name

Glycosyl hydrolase family 35 protein

NCBI Official Symbol

MUM2

NCBI Official Synonym Symbols

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Beta-galactosidase 6 (BGAL6), Recombinant Protein

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beta-galactosidase 6; BGAL6; MBK5.28; MBK5_28; MUCILAGE-MODIFIED 2

NCBI Protein Information

Glycosyl hydrolase family 35 protein

NCBI Summary

Involved in mucilage formation. Mutants form columella and outer cell wall architecture of the mucilage cells resembles wild-type. However, mum2 seeds completely lack seed coat mucilage. This mutation appears to represent a later step in the development of this cell-type. Encodes a beta-galactosidase involved in seed coat mucilage biosynthesis. Member of Glycoside Hydrolase Family 35

UniProt Gene Name

BGAL6

UniProt Synonym Gene Names

Lactase 6

UniProt Protein Name

Beta-galactosidase 6

UniProt Primary Accession

Q9FFN4

UniProt Secondary Accession

Q0WMN2; Q9SCV6

UniProt Related Accession

Q9FFN4

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