

Alpha-L-fucosidase 3 (FXG1), Recombinant Protein

Cat RP01257

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg
(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Arabidopsis thaliana (Mouse-ear cress)
Cell)

Full Product Name

Recombinant Arabidopsis thaliana Alpha-L-fucosidase 3 (FXG1)

Product Gene Name

FXG1 recombinant protein

Product Synonym Gene Name

FXG1

Purity

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

Sequence

HQCHFPAIFN FGDSNSDTGG LSAAFGQAGP PHGSSFFGSP AGRYCDGRLV IDFIAESLGL PYLSAFLDSV
GSNFSHGANF ATAGSPIRAL NSTLRQSGFS PFSLDVQFVQ FYNFHNRSQT VRSRGGVYKT MLPESDSFSK
ALYTFDIGQN DLTAGYFANK TVEQVETEV EII SQFMNAI KNIYQGGRY FWIHNTGPIG CLAYVIERFP
NKASDFDSHG CVSPLNHLAQ QFNHALKQAV IELRSSLSEA AITYVDVYSL KHEL FVHAQG HGFKGSLVSC
CGHGGKYNYN KGIGCGMKKI VKGKEVYIGK PCDEPKAVV WDG VHF TQAA NKFIFDKIAP GLSKACKRQ

Sequence Positions

24-372, Full length protein

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

40,462 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

Alpha-L-fucosidase

NCBI Accession

NP_176949.1

NCBI GI

15220550

NCBI GenBank Nucleotide

NM_105451.4

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

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

NCBI GeneID

843109

NCBI Official Full Name

alpha-fucosidase 1

NCBI Official Symbol

FXG1

NCBI Official Synonym Symbols

alpha-fucosidase 1; Arabidopsis thaliana alpha-fucosidase 1; ATFXG1; F12A21.4; F12A21_4

NCBI Protein Information

alpha-fucosidase 1

NCBI Summary

Encodes a protein with alpha-fucosidase activity. The activity was assessed on 2'-fucosyl-lactitol. AtFXG1 was able to remove the t-fucosyl residues of XXFG xyloglucan oligosaccharides.

UniProt Gene Name

FXG1

UniProt Synonym Gene Names

AtFXG1

UniProt Protein Name

Alpha-L-fucosidase 3

UniProt Synonym Protein Names

Alpha-1,2-fucosidase; AtFXG1; Alpha-L-fucoside fucohydrolase 3

UniProt Primary Accession

Q9FXE5

UniProt Secondary Accession

Q681W5

UniProt Related Accession

Q9FXE5

UniProt Comments

Hydrolyzes alpha-1,2-linked fucose. Also active on fucosylated xyloglucan oligosaccharides.

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