

Alpha-1,4-glucan-protein synthase [UDP-forming] 2 (UPTG2), Recombinant Protein

Cat *RP15863*

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
Species (*Mammalian-Cell*)/ 1 mg (*Baculovirus*)/ 0.5 mg (*Mammalian-
Solanum tuberosum (Potato
Cell*)

Full Product Name

Recombinant *Solanum tuberosum* Alpha-1,4-glucan-protein synthase [UDP-forming] 2 (UPTG2)

Product Gene Name

UPTG2 recombinant protein

Product Synonym Gene Name

UPTG2

Purity

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

Sequence

MAGSSVTPTP LLKDELDIVI PTIRNLDFLE MWRPFFQPYH LIIVQDGDPS KIINVPEGFD YELYNRNDIN
RILGPKASCI SFKDSACRCF GYMVSKKKYI YTIDDDCFVA KDPSGKDINA LEQHIKNLLC PSTPHFFNTL
YDPYREGADF VRGYPFMRE GAATAVSHGL WLNIPDYDAP TQLVKPRERN TRYVDAVMTI PKGTLFPMCG
MNLAFDRELI GPAMYFGLMG DGQPIGRYDD MWAGWCIKVI CDHLGLGVKT GLPYIWHSKA SNPFVNLKKE
YKGIYWQEEI IPFSQSATLP KDCTSVQQCY LELSKQVKEK LSTIDPYFTK LADAMVTWIE AWDELNPTGE
GLAKLPSRTA PESRLH

Sequence Positions

1-366, 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

41,603 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-1,4-glucan-protein synthase

NCBI Accession

Q8RU27.1

NCBI GI

34582499

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Alpha-1,4-glucan-protein synthase [UDP-forming] 2 (UPTG2), Recombinant Protein

Cat RP15863

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-
102601908 Cell)

NCBI GeneID

Probable UDP-arabinopyranose mutase 2

NCBI Official Symbol

LOC102601908

NCBI Official Synonym Symbols

RGP2; uptg2

NCBI Protein Information

probable UDP-arabinopyranose mutase 2

UniProt Gene Name

UPTG2

UniProt Synonym Gene Names

UPTG 2

UniProt Protein Name

Probable UDP-arabinopyranose mutase 2

UniProt Synonym Protein Names

Reversibly glycosylated polypeptide 2

UniProt Primary Accession

Q8RU27

UniProt Related Accession

Q8RU27

UniProt Comments

Probable UDP-L-arabinose mutase involved in the biosynthesis of cell wall non-cellulosic polysaccharides . Was initially shown to possess an autoglycosylating activity which is dependent on the presence of UDP-glucose and manganese (Probable) (PubMed:10580281).

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY