

Alpha-1,4-glucan-protein synthase [UDP-forming] 1 (UPTG1), Recombinant Protein

Cat *RP15846*

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*)
Species *Solanum tuberosum* (Potato)

Full Product Name

Recombinant *Solanum tuberosum* Alpha-1,4-glucan-protein synthase [UDP-forming] 1 (UPTG1)

Product Gene Name

UPTG1 recombinant protein

Product Synonym Gene Name

UPTG1

Purity

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

Sequence

MAAATPLLKD ELDIVIPTIR NLDFLEMWRP FFQPYHLIIV QDGDPSKIIK VPEGFDYELY NRNDINRILG
PKASCISFKD SACRCFGYMV SKKKYIYTID DDCFVAKDPS GKDINALEQH IKNLLCPSTP HFFNTLYDPY
RDGADFVRGY PFSMREGAPT AVSHGLWLN PDYDAPTQLV KHERNTRYV DAVMTIPKGT LFPMCGMNLA
FDRDLIGPAM YFGLMGDQGP IGRYDDMWAG WCTKVICDHL GLGIKTGLPY IWHKASNPV VNLKKEYNGI
FWQEEIIPFF QAATLPKECT TVQQCYLELS KQVKKKLSSI DPYFTKLGEA MVTWIEAWDE LNLLGTTWLS
CLSPMVQQRL KSRCY

Sequence Positions

1-365, 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

41,805 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

Q9SC19.2

NCBI GI

34582500

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(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

102589020

NCBI Official Full Name

Probable UDP-arabinopyranose mutase 1

NCBI Official Symbol

LOC102589020

NCBI Official Synonym Symbols

RGP1; uptg1

NCBI Protein Information

probable UDP-arabinopyranose mutase 1

UniProt Gene Name

UPTG1

UniProt Synonym Gene Names

UPTG 1

UniProt Protein Name

Probable UDP-arabinopyranose mutase 1

UniProt Synonym Protein Names

Reversibly glycosylated polypeptide 1

UniProt Primary Accession

Q9SC19

UniProt Related Accession

Q9SC19

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).

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