

UGT71C1 Protein, Arabidopsis thaliana, Recombinant (E. coli, His)

General Information

Synonyms:	Flavonol 3-O-glucosyltransferase UGT71C1;UGT71C1;UDP-glycosyltransferase 71C1;Flavonol 7-O-beta-glucosyltransferase UGT71C1
Protein Construction:	1-481 aa
Species:	Arabidopsis thaliana
Expression Host:	E. coli
Accession:	O82381
Molecular Weight:	59.4 kDa (predicted)
AA Sequence:	MGKQEDAELVIIPFPFSGHILATIELAKRLISQDNPRIHTITILYWGLPFIPQADTIAFLRSLVKNEPRIRLVTLP EVQDPPPMELFVEFAESYILEYVKKMVPIIREALSTLLSSRDESGSVRVAGLVLDFFCVP MIDVGNEFNLP SYIFLTC SAGFLGMMKYLP ERHREIKSEFNRSFNEELNLIPGYVNSVPTKVLPSGLFMKETYEPWV ELAERFPEAKGILVNSYTALEPNGFKYFDRCPDNYPTIYPIGPILCSNDRPNL DSSERDRIITW LDDQPESVVF LCFGSLKNLSATQIN EIAQALEIVDCKFIWSFR TNPKEYASPYEALPHGFMDR VMDQGIVCGWAPQVEILAHKAVGGFVSHCGWNSI LESLFGVPIATWPMYAEQQLNAFTMV KELGLALEMRLDYVSEDGDIVKADEIAGTVRSLMDGVDVPSKVK EIAEAGKEAVDGGSSFLAV KRFIGDLIDGVSISK

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

A DRUG SCREENING EXPERT

Possesses quercetin 7-O-glucosyltransferase and 3'-O-glucosyltransferase activities in vitro. Also active in vitro on benzoates and benzoate derivatives. Glucosylates other secondary metabolites in vitro like trans-resveratrol, curcumin, vanillin and etoposide.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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