

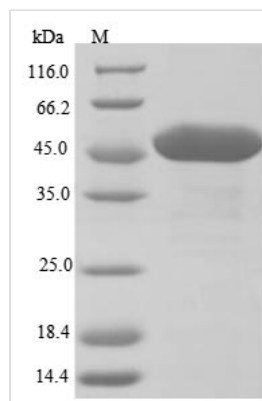


Recombinant Arabidopsis thaliana UDP-glycosyltransferase 89C1 (UGT89C1)

Product Code	CSB-EP873303DOA
Relevance	Flavonol 7-O-rhamnosyltransferase that acts on kaempferol 3-O-glucoside and other 3-O-glycosylated flavonols like quercetin 3-O-glucoside, quercetin 3-O-galactoside and isorhamnetin 3-O-glucoside. Shows a strict specificity for UDP-rhamnose as donor and does not act on flavonol aglycones or 3-O-glycosylated anthocyanins.
Abbreviation	Recombinant Mouse-ear cress UGT89C1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9LNE6
Product Type	Recombinant Protein
Immunogen Species	Arabidopsis thaliana (Mouse-ear cress)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MTTTTTKKPHVLVIPFPQSGHMPHLDLTHQILLRGATVTVLVTPKNSSYLDAL RSLHSPEHFCTLILPFPSHPCIPSGVESLQQLPLEAIVHMFDAISRSLHDPLVDFL SRQPPSDLPDAILGSSFLSPWINKVADAFSISISFLPINAHSSIVMWAQEDRSF FNDLETATTESYGLVINSFYDLEPEFVETVKTRFLNHHRIWTVGPLLPFKAGVD RGGQSSIPPAKVSAWLDSCPEDNSVYVVGFGSQIRLTAEQTAALAAALEKSSV RFIWA VRDAAKKVNSSDNSVEEDVIPAGFEERVKEKGLVIRGWAPQTMILEHR AVGSYLTHLGWGSVLEGMVGGVMLLAWPMQADHFFNTTLIVDKLRAAVRVGE NRDSVPDSDKLARILAESAREDLPERVTLMKLREKAMEAIKEGGSSYKNLDEL VAEMCL
Research Area	Others
Source	E.coli
Target Names	UGT89C1
Protein Names	Flavonol 7-O-rhamnosyltransferase UDP-rhamnose: flavonol 7-O-rhamnosyltransferase
Expression Region	1-435aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged
Mol. Weight	51.6 kDa
Protein Length	Full Length



Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The recombinant *Arabidopsis thaliana* (Mouse-ear cress) UGT89C1 protein expression in *e.coli* cells requires the insertion of a DNA fragment encoding the *Arabidopsis thaliana* (Mouse-ear cress) UGT89C1 protein (1-435aa) into a plasmid vector and the transferral of this vector into *e.coli* cells. The positive cells are screened, cultured, and then induced to express the UGT89C1 protein. The protein carries a N-terminal 10xHis tag. The cells are lysed to harvest the recombinant *Arabidopsis thaliana* (Mouse-ear cress) UGT89C1 protein, which is purified through affinity purification and then detected by SDS-PAGE and subsequent staining of the gel with Coomassie Brilliant Blue. The purity of this recombinant *Arabidopsis thaliana* (Mouse-ear cress) UGT89C1 protein is over 85%.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.