

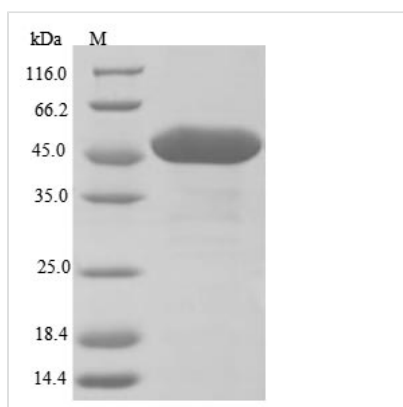


Recombinant *Arabidopsis thaliana* UDP-glycosyltransferase 89C1 (UGT89C1)

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	<i>Arabidopsis thaliana</i> (Mouse-ear cress)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	MTTTTTKKPHVLVIPFPQSGHMVPHLDLTHQILLRGATVTVLVTPKNSSYLDAL RSLHSPEHFKTLILPFPSHPCIPSGVESLQQLPLEAIVHMFDAALSRLHDPLVDFL SRQPPSDLPDAILGSSFLSPWINKVADAFSISISFLPINAHSISVMWAQEDRSF FNDLETATTESYGLVINSFYDLEPEFVETVKTRFLNHHRIWTVGPLLPFKAGVD RGGQSSIPPAKVSAWLDSCPEDNSVVYVGFSGQIRLTAEQTAALAAALEKSSV RFIWA VRDAAKKVNSSDNSVEEDVIPAGFEERVKEKGLVIRGWAPQTMILEHR AVG SYLTHLGWGSVLEGMVGGVMLLAWPMQADHFFNTT LIVDKLRAAVRVGE 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.

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.