

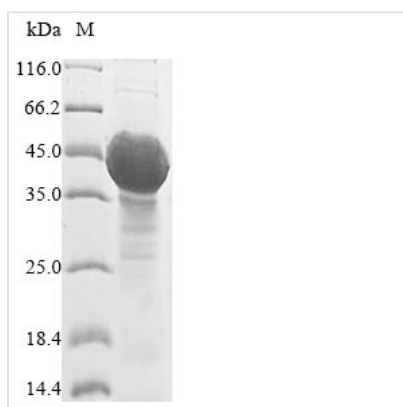


# Recombinant *Arabidopsis thaliana* UDP-glycosyltransferase 89C1 (UGT89C1)

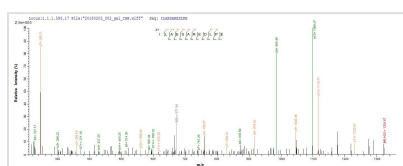
<b>Product Code</b>	CSB-YP873303DOA
<b>Relevance</b>	Flavonol 7-O-rhamnosyltransferase that acts on kaempferol 3-O-glucoside and other 3-O-glycosylated flavonols like quercetin 3-O-glucoside, quercetin 3-O-galactoside and isorhamnetin 3-O-glucoside. Shows a strict specificity for UDP-rhamnose as donor and does not act on flavonol aglycones or 3-O-glycosylated anthocyanins.
<b>Abbreviation</b>	Recombinant Mouse-ear cress UGT89C1 protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9LNE6
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	<i>Arabidopsis thaliana</i> (Mouse-ear cress)
<b>Purity</b>	≥ 85% as determined by SDS-PAGE.
<b>Sequence</b>	MTTTTTKKPHVLVIPFPQSGHMVPHLDLTHQILLRGATVTVLVTPKNSSYLDAL RSLHSPEHFKTLILPFPSHPCIPSGVESLQQLPLEAIVHMFDAALSRLHDPLVDFL SRQPPSDLPDAILGSSFLSPWINKVADAFSISISFLPINAHSISVMWAQEDRSF FNDLETATTESYGLVINSFYDLEPEFVETVKTRFLNHHRIWTVGPLLPFKAGVD RGGQSSIPPAKVSAWLDSCPEDNSVVYVGFSGQIRLTAEQTAALAAALEKSSV RFIWA VRDAAKKVNSSDNSVEEDVIPAGFEERVKEKGLVIRGWAPQTMILEHR AVGSYLTHLGWGSVLEGMVGGVMLLAWPMQADHFFNTTLIVDKLRAAVRVGE NRDVPDSDKLARILAESAREDLPERVTLMKLREKAMEAIKEGGSSYKNLDEL VAEMCL
<b>Research Area</b>	Others
<b>Source</b>	Yeast
<b>Target Names</b>	UGT89C1
<b>Protein Names</b>	Flavonol 7-O-rhamnosyltransferase UDP-rhamnose: flavonol 7-O-rhamnosyltransferase
<b>Expression Region</b>	1-435aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 10xHis-tagged
<b>Mol. Weight</b>	50.6 kDa
<b>Protein Length</b>	Full length



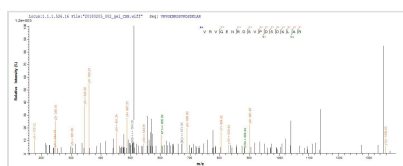
## Image



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



Based on the SEQUEST from database of Yeast host and target protein, the LC-MS/MS Analysis result of CSB-YP873303DOA could indicate that this peptide derived from Yeast-expressed *Arabidopsis thaliana* (Mouse-ear cress) UGT89C1.



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## 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

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