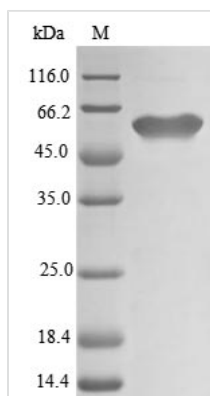




# Recombinant Arabidopsis thaliana UDP-glycosyltransferase 78D1 (UGT78D1)

<b>Product Code</b>	CSB-EP871008DOA
<b>Relevance</b>	Acts as a UDP-rhamnose:flavonol-3-O-glucoside rhamnosyltransferase. Keampferol and quercetin are used as substrates. Possesses low quercetin 3-O-glucosyltransferase activity in vitro.
<b>Abbreviation</b>	Recombinant Mouse-ear cress UGT78D1 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>	Q9S9P6
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Arabidopsis thaliana (Mouse-ear cress)
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Sequence</b>	MTKFSEPIRDSHVAVLAFFPVGHAHAGPLLAVTRRLAAASPSTIFSFFNTARSNASLSSDHPENIKVHDVSDGVPEGTMLGNPLEMVELFLEAAPRIFRSEIAAAEIEVGKKVTCMLTDAFFWFAADIAAELNATWVAFWAGGANS LCAHLYTDLIRETIGLKDVSMEETLGFIPGMENYRVKDIPEEVVFEDLDSVFPKALYQMSLALPRASAVFISSFEELEPTLNYNLRSKLKRFLNIAPLTLLSSTSEKEMRDPHGCFawmGKRS AASVAYISFGTVMEPPPEELVAIAQGLESSKVPFVWSLKEKNMVHLPKGFLDR TREQGIVVPWAPQVELLKHEAMGVNVTHCGWNSVLESVSAGVPMIGRPILAD NRLNGRAVEVWVKVGVMMDNGVFTKEGF EKCLNDVFVHDDGKTMKANAKKL KEKLQEDFSMKGSSLENFKILLDEIVKV
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	UGT78D1
<b>Protein Names</b>	Flavonol-3-O-glucoside L-rhamnosyltransferase UDP-rhamnose:flavonol 3-O-glucoside rhamnosyltransferase
<b>Expression Region</b>	1-453aa
<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>	55.6 kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



(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.