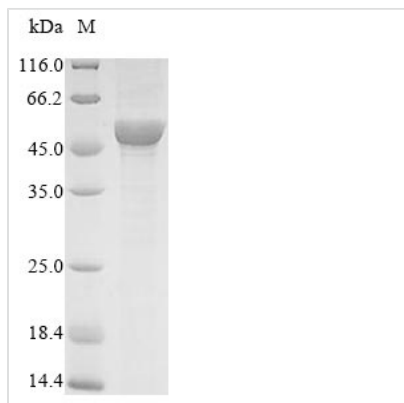


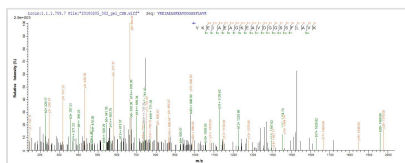


Recombinant Arabidopsis thaliana Flavonol 3-O-glucosyltransferase UGT71C1 (UGT71C1)

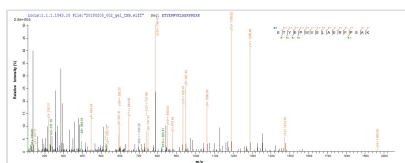
Product Code	CSB-YP526868DOA
Relevance	Possesses quercetin 7-O-glucosyltransferase and 3'-O-glucosyltransferase activities in vitro. Also active in vitro on benzoates and benzoate derivatives. Glucosylates other secondary metabolites in vitro like trans-resveratrol, curcumin, vanillin and etoposide.
Abbreviation	Recombinant Mouse-ear cress UGT71C1 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.	O82381
Product Type	Recombinant Protein
Immunogen Species	Arabidopsis thaliana (Mouse-ear cress)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	MGKQEDAELVIIPFPFSGHILATIELAKRLISQDNPRIHTITILYWGLPFIPQADTIA FLRSLVKNEPRIRLVTLPEVQDPPPMELFVEFAESYILEYVKKMVPPIREALSTLL SSRDESGSVRVAGLVLDFFCVPMIDVGNFNLPYIFLTCSAGFLGMMKYLPE RHREIKSEFNRSFNEELNLIPGYVNSVPTKVLPSGLFMKETYEPWVELAERFPE AKGILVNSYTALEPNGFKYFDRCPDNYPTIYPIGPILCSNDRPNLDSSERDRIIT WLDDQPESSVVFLCFGSLKNLSATQINEIAQALEIVDCKFIWSFRTNPKEYASP YEALPHGFMDRVMDQGIVCGWAPQVEILAHKAVGGFVSHCGWNSILESLGFG VPIATWPMYAEQQLNAFTMVKELGLALEMRLDYVSEDGDIVKADEIAGTVRSL MDGVDVPKSKVKEIAEAGKEAVDGGSSFLAVKRFIGDLIDGVSISK
Research Area	Others
Source	Yeast
Target Names	UGT71C1
Protein Names	Flavonol 3-O-glucosyltransferase UGT71C1 (EC:2.4.1.91)Flavonol 7-O-glucosyltransferase UGT71C1
Expression Region	1-481aa
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	56.4 kDa
Protein Length	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-YP526868DOA could indicate that this peptide derived from Yeast-expressed *Arabidopsis thaliana* (Mouse-ear cress) UGT71C1.



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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

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.