



Recombinant *Clarkia breweri* Caffeic acid 3-O-methyltransferase (COMT)

Product Code	CSB-EP517818DTU-B
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.	O23760
Product Type	Recombinant Protein
Immunogen Species	<i>Clarkia breweri</i> (Fairy fans) (<i>Eucharidium breweri</i>)
Purity	>85% (SDS-PAGE)
Sequence	STGNAETQ LPTTHVSDEE ANLFAMQLAS ASVLPMVLKA AIELDVLEIM AKSIPHGSGA YISPAEIAAQ LPTTNPDPAPV MLDRVLRLLA SYSVVTCSLR ELPDGKVERL YGLAPVCKFL TKNEDGVSLA PLCLMNQDKV LMESWYYLKD AILDGGIPFN KAYGMTAFEY HGTDPRFNKV FNRGMSDHST ITMKKIFEMY TGFEALNTIV DVGGGTGAVL SMIVAKYPSI KGINFDLPHV IEDAPIYPGV EHVGGDMFVS VPKGDAIFMK WICHDWSEH CLKFLKNCYA ALPEHGKVIV AECILPLSPD PSLATKGVIIH IDAIMLAHNP GKKERTEKEF EALAIGAGFK GFKVACCAFN TYVMEFLKTA
Source	<i>E.coli</i>
Target Names	COMT
Protein Names	Recommended name: Caffeic acid 3-O-methyltransferase Short name= CAOMT Short name= COMT EC= 2.1.1.68 Alternative name(s): S-adenosyl-L-methionine:caffeic acid 3-O-methyltransferase
Expression Region	3-370
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
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.