



Recombinant Citrobacter freundii Tyrosine phenol-lyase (tpl)

Product Code	CSB-EP327015DTO-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.	P31013
Storage Buffer	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Product Type	Recombinant Proteins
Immunogen Species	Citrobacter freundii
Purity	>85% (SDS-PAGE)
Sequence	MNYP AEPFRI KSVETVSMIP RDERLKKMQE AGYNTFLLNS KDIYIDLLTD SGTNAMSDKQ WAGMMMDEA YAGSENFYHL ERTVQELFGF KHIVPTHQGR GAENLLSQLA IKPGQYVAGN MYFTTTRYHQ EKNQAVFVDI VRDEAHDAGL NIAFKGDIDL KKLQKLIDEK GAENIAYICL AVTVNLAGGQ PVSMANMRAV RELTEAHGIK VFYDATRCVE NAYFIKEQEQ GFENKSIAEI VHEMFSYADG CTMSGKKDCL VNIGGF LCMN DDEM FSSAKE LVVVYEGMPS YGGLAGRDME AMAIGLREAM QYEYIEHRVK QVRYLGDKLK AAGVPIVEPV GGHAVFLDAR RFCEHLTQDE FPAQSLAASI YVETGVR SME RGIISAGRNN VTGEHHRPKL ETVRLTIPRR VYTYAHMDVV ADGIKLYQH KEDIRGLKFI YEPKQLRFFT ARFDYI
Source	E.coli
Target Names	tpl
Protein Names	Recommended name: Tyrosine phenol-lyase EC= 4.1.99.2 Alternative name(s): Beta-tyrosinase
Expression Region	1-456
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 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.