



Recombinant Rickettsia typhi Fumarate hydratase class II (fumC)

Product Code	CSB-EP715059RNE
Abbreviation	fumC
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.	Q68W74
Product Type	Recombinant Protein
Immunogen Species	Rickettsia typhi (strain ATCC VR-144 / Wilmington)
Purity	≥85% (SDS-PAGE)
Sequence	MKNYRIESDS FGEIQIEEFK YWGAQTQRSL NNFKISKQKM PKILIHAI LKKCAAQVNY EFGDLEYKIA TSIDKAIDRI LAGEFEDNFP LVVWQTGSGT QTNMNMNEVI ASIANEELTG KKGKSPVHP NDHVNGQSS NDSFPTAMHI ATVLATKQQL IPALNNLLTY LQDKSKDWDK IIKIGRTHLQ DATPLTLKQE FSGYITQIEY ALERIEDALK KVYLLAQGGT AVGTGINSKI GFDIKFAEKV AEFTQQPFKT APNKFESLAA HDALVEFSGT LNTISVSLMK IANDIRLLGS GPRCGLGELH LPENEPGSSI MPGKVNPTQV EALTMVCTQV MGNHVTVTIA GSNGHLELNV FKPVIYINIL QSIELLSDSV NSFVTHCVKG LEPNIERINA LRDKSLMLVT VLNPHIGYDN AAKIAKEAYK YGITLKEAAK KLNFLSEEEF DKIVPEKMI S
Source	E.coli
Target Names	fumC
Protein Names	Recommended name: Fumarate hydratase class II Short name= Fumarase C EC= 4.2.1.2
Expression Region	1-461
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.