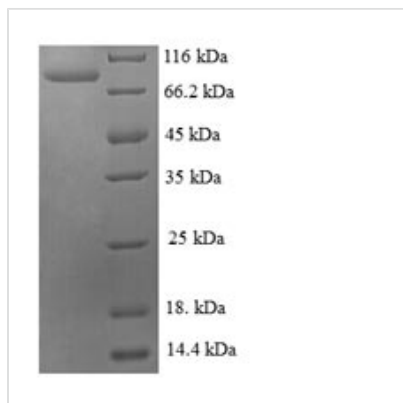




Recombinant Streptomyces sp. Cholesterol oxidase (choA)

Product Code	CSB-EP704121SPX
Relevance	Bifunctional enzyme that catalyzes the oxidation of the 3-beta-hydroxy group of cholesterol and the isomerization of the double bond of the resulting product.
Abbreviation	Recombinant Streptomyces sp. choA 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.	P12676
Alias	Cholesterol isomerase (EC:5.3.3.1)
Product Type	Recombinant Protein
Immunogen Species	Streptomyces sp. (strain SA-COO)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	DNGGYVPAVVIGTGYGAAVSALRLGEAGVQTLMLEMGQLWNQPGPDGNIFC GMLNPKDRSSWFKNRTEAPLGSFLWLDVVNRNIDPYAGVLDRVNYDQMSVY VGRGVGGGSLVNGGMAVEPKRSYFEEILPRVDSSEMYDRYFPRANSMLRVN HIDTKWFEDTEWYKFARVSREQAGKAGLGTVPVNVYDFGYMQREAAGEVP KSALATEVIYGNNHGKQSLDKTYLAAALGTGKVTIQTTLHQVKTIQTKDGGYAL TVEQKDTDGKLLATKEISCRYLFLGAGSLGSTELLVRARDTGTLPNLNSEVGA GWGPNGNIMTARANHMWNPTGAHQSSIPALGIDAWDNSDSSVFAEIAPMPAG LETWVSLYLAIKPNPQRGTFVYDAATDRAKLNWTRDQNAPAVNAAKALFDRIN KANGTIYRYDLFGTQLKAFADDFCYHPLGGCVLGKATDDYGRVAGYKNLYVT DGSLIPGSVGVNPFVTITALAERNVERIIKQDVTAS
Research Area	Others
Source	E.coli
Target Names	choA
Expression Region	43-546aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	81.9kDa
Protein Length	Full Length of Mature Protein
Image	



(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.