



# Recombinant Human Serine beta-lactamase-like protein LACTB, mitochondrial (LACTB)

<b>Product Code</b>	CSB-EP012716HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P83111
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	HRIKD EVGAPGIVVG VSVDGKEVWS EGLGYADVEN RVPCKPETVM RIASISKSLT MVALAKLWEA GKLDLDIPVQ HYVPEFPEKE YEGEKVSVTT RLLSHLSGI RHYEKDIKKV KEEKAYKALK MMKENVAFEQ EKEGKSNEKN DFTKFKTEQE NEAKCRNSKP GKKKNDFEQG ELYLREKFEN SIESLRLFKN DPLFFKPGSQ FLYSTFGYTL LAAIVERASG CKYLDYMQKI FHDLDMLTTV QEENEPVIYN RARFYVYNKK KRLVNTPYVD NSYKWAGGGF LSTVGDLLKF GNAMLYGYQV GLFKNSNENL LPGYLPETM VMMWTPVPNT EMSWDKEGKY AMAWGVVERK QTYGSCRKQR HYASHTGGAV GASSVLLVLP EELDTETINN KVPPRGIIVS IICNMQSVGL NSTALKIALE FDKDRSD
<b>Source</b>	E.coli
<b>Target Names</b>	LACTB
<b>Protein Names</b>	Recommended name: Serine beta-lactamase-like protein LACTB, mitochondrial EC= 3.4.-.-
<b>Expression Region</b>	116-547
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a protein from the large 39S subunit of the mitochondrial ribosome (mitoribosome). The encoded protein has some sequence similarity to prokaryotic beta-lactamases but most of the residues that are responsible for the beta-lactamase activity are not conserved between the two proteins.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.