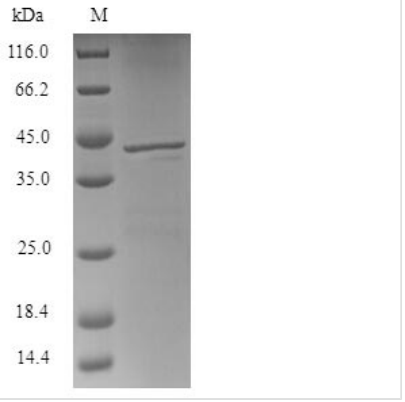
Recombinant Bacillus licheniformis N-acetylmuramoyl-L-alanine amidase CwlM (cwlM)

Product Code	CSB-EP339780BQT
Relevance	Hydrolyzes the cell wall of M.luteus more efficiently than that of B.licheniformis and B.subtilis. The C-terminal region, including the repeats, determines substrate specificity.
Abbreviation	Recombinant Bacillus licheniformis cwlM 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.	P37134
Alias	Autolysin;Cell wall hydrolase
Product Type	Recombinant Protein
Immunogen Species	Bacillus licheniformis
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MVKIFIDPGHGGSDTGASANGLQEKQLTLQTALALRNMLLNEYQNVSVLLSRT SDQTVSLTQRTNAANSWGADYFLSIHMNAGGGTGFEDYIYPGVGAPTTTYRDI MHEEILKVVDFRDRGKKTANFHVLRETAMPALLTENGFVDNTNDAEKLKSSAFI QSIARGHANGLARAFNLSKNAAALYKVQIAAFRTKANADSLAAQAEAKGFDAL VIYRDSLYKVQIGAFSSKENAEALVQQAKNAEFDTFIYQE
Research Area	Others
Source	E.coli
Target Names	cwlM
Protein Names	Recommended name: N-acetylmuramoyl-L-alanine amidase CwlM EC= 3.5.1.28 Alternative name(s): Autolysin Cell wall hydrolase
Expression Region	1-253aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	43.6kDa
Protein Length	Full Length
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.