



Recombinant *Shewanella pealeana* Xaa-Pro dipeptidase (pepQ)

Product Code	CSB-YP017784STP
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	A8GYG1
Product Type	Recombinant Protein
Immunogen Species	<i>Shewanella pealeana</i> (strain ATCC 700345 / ANG-SQ1)
Purity	>85% (SDS-PAGE)
Sequence	MEQLARLYHD HIQVLNQRVS EISRENLSG LVIHSGQPHR QFLDDMDYPF KVNPHFKAWL PVIENPNSWL VINGS DKPLL IFYRPVDFWH KVADEPSDFW AEHVDIKFLT KADKVAEYLP AGIDNWAYIG EHLDVADV LG FSRRNPDSVL SYLNYHRATK TDYELACMRK ANEIAVTGHQ AAKTAFYNGA SEFEILQVYL SAISQGENQV PYSSIVALNE NSAILHYTAL EYTSPAQRSS FLIDAGANYN GYASDITRSY SFEKNIFDDL ITAMDNMQLQ IISMMPGVS YAE LHIQTHY KLAQILLDFD IVSGDVQGLV EQGITRVFFP HGLGHMLGIQ VHDMGGFLSD EKGTHVAAPE AHPFLRCTRE LDINQVLTIE PGVYIIDSLL AELKQDQRQS QINWNTVDVL RPFGGIRIED NVIVHGDRIE NMTRNLGLNR
Source	Yeast
Target Names	pepQ
Protein Names	Recommended name: Xaa-Pro dipeptidase Short name= X-Pro dipeptidase EC= 3.4.13.9 Alternative name(s): Imidodipeptidase Proline dipeptidase Short name= Prolidase
Expression Region	1-440
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.