



Recombinant Idiomarina loihiensis Xaa-Pro dipeptidase 2 (pepQ2)

Product Code	CSB-EP715978IAAA
Abbreviation	pepQ2
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.	Q5QVP2
Product Type	Recombinant Protein
Immunogen Species	Idiomarina loihiensis (strain ATCC BAA-735 / DSM 15497 / L2-TR)
Purity	≥85% (SDS-PAGE)
Sequence	MSAYAEHIKT VCSRFDKALE DNNFESVLVY SGQPRVDFLD DNAPPYRVNP LFKYWVPVTE SPKSAIFYRK GSQRPTVYLF QARDFWHAPV NVPEEEWQQH VDLKIIDDLS MLTEDLGSDL EQSAFIGEDF AQPVSDWRVK ARNPQALIDH LHFHRSIKTQ WEVDNLREAN RLAAKAHVAA KEAFFAGKSE LEIHHAYLGA IDFRESQVPY NSIVALNSHS AILHYDVYDT VPPKQIRSFL IDAGARYRGY CSDITRSYAY EEGFYANLVE AMDKAQQELL SEIKPGVSYY DLHVSMHLKV AQILSDFEFI KGDAQSIYDK GYTSAFMPHG LGHFIGLQVH DVGGFLKDDK GNSYERSERH PFLRLLRDIE VGHVFTIEPG LYVVDQLLEE HKDSADINWE KVDELRPYGG VRIEDSIVVG ADGNENLTRD AFKELGAE
Source	E.coli
Target Names	pepQ2
Protein Names	Recommended name: Xaa-Pro dipeptidase 2 Short name= X-Pro dipeptidase 2 EC= 3.4.13.9 Alternative name(s): Imidodipeptidase 2 Proline dipeptidase 2 Short name= Prolidase 2
Expression Region	1-438
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.