

## Aeromonas Aminopeptidase E. coli

### Product Data Sheet

<b>Type:</b> Recombinant	<b>Cat. No.:</b>	
<b>Source:</b> E. coli	RBG100510100	(100 µg)
<b>Species:</b>	RBG100510500	(500 µg)
<b>Other names:</b> ,	RBG100511000	(1mg)

### Introduction to the Molecule

Proteases (also called Proteolytic Enzymes, Peptidases or Proteinases) are enzymes that hydrolyze the amide bonds within proteins or peptides. Most proteases act in a specific manner, hydrolyzing bonds at or adjacent to specific residues or a specific sequence of residues contained within the substrate protein or peptide. Proteases play an important role in most diseases and biological processes including prenatal and postnatal development, reproduction, signal transduction, the immune response, various autoimmune and degenerative diseases and cancer. They are also an important research tool, frequently used in the analysis and production of proteins. Recombinant Aeromonas Aminopeptidase is a 31.4 kDa protein containing 291 amino acid residues.

### Research topic

Others

### Amino Acid Sequence

MPPITQQATV TAWLPQVDAS QITGTISLE SFTNRFYTTT SGAQASDWIA SEWQALSASL PNASVKQVSH SGYNQKSVVM  
TITGSEAPDE WIVIGGHLDS TIGSHTNEQS VAPGADDDAS GIAAVTEVIR VLSENNFQPK RSI AFMAYAA EEVGLRGSQD  
LANQYKSEGK NVVSALQLDM TNYKGSADQV VFITDYTDSN FTQYLTLQMD EYLPSLTYGF DTCGYACSDH ASWHNAGYPA  
AMPFESKFND YNPRIHTTQD TLANSDPTGS HAKKFTQLGL AYAIEMGSA T G

### Source

E. coli

### Purity

98%

### Biological Activity

Sequentially cleaves N-terminal amino acids except E, D and X-P.

### Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

### Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

### Storage, Stability/Shelf Life

<b>HEADQUARTERS:</b> BioVendor Laboratorní medicína, a.s.	Karasek 1767/1	621 00 Brno CZECH REPUBLIC	Phone: +420-549-124-185 Fax: +420-549-211-460	E-mail: info@biovendor.com sales@biovendor.com Web: www.biovendor.com
<b>AUSTRIA:</b> BioVendor GesmbH	Nußdorfer Straße 20/10	1090 Vienna AUSTRIA	Phone: +43-1-89090-25 Fax: +43-1-89090-2515	E-mail: infoAustria@biovendor.com
<b>GERMANY, SWITZERLAND:</b> BioVendor GmbH	Otto-Hahn-Straße 16	34123 Kassel GERMANY	Phone: +49-6221-433-9100 Fax: +49-6221-433-9111	E-mail: infoEU@biovendor.com
<b>USA, CANADA AND MEXICO:</b> BioVendor LLC	128 Bingham Rd. Suite 1300	Asheville, NC 28806 USA	Phone: +1-828-575-9250 +1-800-404-7807 Fax: +1-828-575-9251	E-mail: infoUSA@biovendor.com