

Recombinant E.coli Ecotin protein

Catalog Number: ATGP0878

PRODUCT INFORMATION

Expression system

E.coli

Domain

21-162aa

UniProt No.

P23827

NCBI Accession No.

NP_416713

Alternative Names

Ecotin a serine protease inhibitor, ECK2201, eti, JW2197

PRODUCT SPECIFICATION

Molecular Weight

18.3 kDa (163aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 50mM NaCl, 1mM DTT, 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Ecotin (E. coli serine protease inhibitor) inhibits pancreatic serine proteases. This protein inhibits chymotrypsin, trypsin, elastases, factor X, kallikrein as well as a variety of other proteases. The strength of inhibition does not appear to be correlated with a particular protease specificity. Recombinant E. coli Ecotin protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MAESVQPLEK IAPYPQAEKG MKRQVIQLTP QEDESTLKVE LLIGQTLEVD CNLHRLGGKL

Recombinant E.coli Ecotin protein

Catalog Number: ATGP0878

ENKTLEGWGY DYYVFDKVSS PVSTMMACPD GKKEKKFVTA YLGDAGMLRY NSKLPIVVYT PDNVDVKYRV WKAEEKIDNA VVR

General References

Lilla JN., et al. (2009) J Biol Chem. 284(20):13792-803.

Lund LR., et al. (2006) EMBO J. 25(12):2686-97.

DATA

SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.



15% SDS-PAGE (3ug)