

Ecotin, 21-162aa, E.coli, His tag, E.coli

Cat.NO.: TP01960

3th Edition

Synonyms: Ecotin, a serine protease inhibitor, ECK2201, eti, JW2197

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.

Form: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 50mM NaCl, 1mM DTT, 10% glycerol

Molecular Weight: 18.3 kDa (163aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMAESVQPLEKIAPYPQAEKGMKRQVIQLTPQEDESTLKVELLIGQTLEVDCNLHRL
GGKLENKTLEGWGYDYYVFDKVSSPVSTMMACPDGKKEKKFVTAYLG DAGMLRYNSKLPIVVYTPDNVDVKYRV
WKAEEKIDNAVVR

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.