

SERPINB8, 1-374aa Human, His tag, E.coli

Cat.NO.: TP03901

3th Edition

Synonyms:Serpin B8, CAP2, PI8

Description:The superfamily of high molecular weight serine proteinase inhibitors (serpins) regulate a diverse set of intracellular and extracellular processes such as complement activation, fibrinolysis, coagulation, cellular differentiation, tumor suppression, apoptosis, and cell migration. SERPINB8 is a member of the ov-serpin subfamily, which, relative to the archetypal serpin PI1, is characterized by a high degree of homology to chicken ovalbumin, lack of N- and C-terminal extensions, absence of a signal peptide, and a serine rather than an asparagine residue at the penultimate position. Recombinant human SERPINB8 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT

Molecular Weight:45.2 kDa (397aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMDDLCEANGTFAISLFLKILGEEDNSRNVFFSPMSISSALAMVFMGAKGSTAA
QMSQALCLYKDGDIHRGFQSLLEVNRTGTQYLLRTANRLFGEKTCDFLPDFKEYCQKFYQAELEELSFAEDTEEC
RKHINDWVAEKTEGKISEVLDAGTVDPLTKLVLVNAIYFKGKWNEQFDRKYTRGMLFKTNEEKKTVMFMFKEAKFK
MGYADEVHTQVLELPYVEEELSMVILLPDDNTDLAVVEKALTYEKFKAWTNSEKLTKSKVQVFLPRLKLEESYDLEP
FLRRLGMIDAFDEAKADFSGMSTEKNVPLSKVAHKCFVEVNEEGTEAAAATAVVRNSRCSRMEPRFCADHPFLFFI
RHHKTNCILFCGRFSSP

Purity:> 95% by HPLC

Concentration:0.5 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.