SVIP, 1-77aa, Human, His tag, E.coli

Cat.NO.: TP04104

3th Edition

Synonyms: Small VCP/p97-interacting protein, DKFZp313A2432, Small VCP/p97 interacting protein

Description: Small VCP/p97-interacting protein, also known as SVIP, is involved in a variety of cellular processes, including membrane fusion and ubiquitin-dependent protein degradation. SVIP functions as an inhibitor of the endoplasmic reticulum (ER)-associated degradation (ERAD) pathway. Overexpression of SVIP, on the other hand, increased the levels of p62 protein and enhanced starvation-activated autophagy as well as promoted sequestration of polyubiquitinated proteins and p62 in autophagosomes. Recombinant human SVIP 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, 20% glycerol, 2mM DTT

Molecular Weight:10.8kDa (100aa) confirmed by MALDI-TOF

Sequences:
MGSSHHHHHHSSGLVPRGSHMGSMGLCFPCPGESAPPTPDLEEKRAKLAEAAERRQKEAASRGILDVQSVQEKR
KKKEKIEKQIATSGPPPEGGLRWTVS

Purity:> 95% by HPLC

Concentration:0.25 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.