
Product Data Sheet

Product Name: SVIP Human
 Cat. No.: GP24756
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Small VCP/P97-Interacting Protein; SVIP.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMGLCFPC PGESAPPTPD LEEKRAKLAEEAERQKEAA SRGILDVQSV QEKRKKKEKI EKQIATSGPP PEGGLRWTVS.		
Formulation	The SVIP solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 2mM DTT.		

Introduction

Small VCP/p97-interacting protein (SVIP) is involved in various cellular processes, including membrane fusion and ubiquitin-dependent protein degradation. SVIP functions as an inhibitor of the endoplasmic reticulum (ER)-associated degradation (ERAD) pathway. On the other hand, SVIP overexpression increased the levels of p62 protein and enhanced starvation-activated autophagy as well as stimulated sequestration of polyubiquitinated proteins and p62 in autophagosomes.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

SVIP Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 100 amino acids (1-77) and having a molecular mass of 10.8 kDa. SVIP is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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