
Product Data Sheet

Product Name: VBP1 Human
 Cat. No.: GP24982
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Prefoldin subunit 3; HIBBJ46; Von Hippel-Lindau-binding protein 1; VBP-1; VHL-binding protein 1; VBP1; PFDN3; PFD3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAAVKDS CGKGEMATGN GRRLHLGIPE AVFVEDVDSF MKQPGNETAD TVLKKLDEQY QKYKFMELNL AQKKRRLKGQ IPEIKQTLEI LKYMQKKKES TNSMETRFLN ADNLYCKASV PPTDKVCLWL GANVMLEYDI DEAQALLEKN LSTATKNLDS LEEDLDFLRD QFTTTEVNMA RVYNWDVKRR NKDDSTKNKA.		
Formulation	VBP1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol and 2mM DTT.		

Introduction

Prefoldin subunit 3 (VBP1) is a member of the prefoldin subunit alpha family. VBP1 interacts with the Von Hippel-Lindau protein in order to create an intracellular complex. Since VBP1 serves as a chaperone protein, it is assumed to have a role in the transport of the Von Hippel-Lindau protein from the perinuclear granules to the nucleus or cytoplasm. VBP1 binds specifically to cytosolic chaperonin (c-CPN) and transfers target proteins to it. VBP1 also binds to nascent polypeptide chain and stimulates folding in an environment in which there are numerous competing pathways for nonnative proteins.

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

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

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VBP1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 220 amino acids (1-197 a.a) and having a molecular mass of 25kDa. VBP1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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