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VBP1 Human

Von Hippel-Lindau Binding Protein 1 Human Recombinant
RCP2545

Product Overview

Name	VBP1 Human

Description

Von Hippel-Lindau Binding Protein 1 Human Recombinant

Accession (Primary)	P61758

Synonyms

Prefoldin subunit 3, HIBBJ46, Von Hippel-Lindau-binding protein 1, VBP-1, VHL-binding protein 1, VBP1, PFDN3, PFD3.

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

VBP1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol and 2mM DTT.

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MAAVKDS CGKGEMATGN GRRLHLGIPE AVFVEDVDSF MKQPGNETAD TVLKKLDEQY QKYKFMELNL AQKKRRLKGQ IPEIKQTLEI LKYMQKKKES TNSMETRFLL ADNLYCKASV

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PPTDKVCLWL GANVMLEYDI DEAQALLEKN LSTATKNLDS LEEDLDFLRD QFTTTEVNMA RVYNWDVKRR NKDDSTKNKA.

Precautions

VBP1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P61758)