

VBP1 Human

Description: 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.

Catalog #: PRPS-1332

For research use only.

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

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSMAAVKDS CGKGEMATGN
GRRHLHGPIE AVFVEDVDSF MKQPGNETAD TVLKKLDEQY QKYKFMELNL AQKKRRLKGG
IPEIKQTLEI LKYMQKKKES TNSMETRFLD ADNLYCKASV PPTDKVCLWL GANVMLEYDI
DEAQALLEKN LSTATKNLDS LEEDLDFLRD QFTTTEVNMA RVYNWDVKRR NKDDSTKNKA.

Purity: Greater than 90.0% as determined by SDS-PAGE.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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