
Product Data Sheet

Product Name: VCPKMT Human

Cat. No.: GP24988

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Synonyms Valosin Containing Protein Lysine (K) Methyltransferase; Methyltransferase-Like Protein 21D; VCP Lysine Methyltransferase; Protein-Lysine Methyltransferase METTL21D; Chromosome 14 Open Reading Frame 138; C14orf138; METTL21D; VCP-KMT; EC 2.1.1.- .

Amino Acid Sequence MGSSHHHHHH SGLVPRGSH MGSMADTLES SLEDPLRSFV RVLEKRDGTV LRLQQYSSGG VGCVVWDAAI VLSKYLETPE FSGDGAHALS RRSVLELGSG TGAVGLMAAT LGADVVTDL EELQDLLKMN INMNKHLVTG SVQAKVLKWG EEIEGFPSPP DFILMADCIY YEESLEPLLK TLKDISGFET CIICCYEQRT MGKNPEIEKK YFELLQLDFD FEKIPLEKHD EYRSEDIHI IYIRKKKSKF PS

Formulation VCPKMT protein solution (1mg/ml) containing 20mM Phosphate buffer saline (pH 8.0), 1mM DTT and 10% glycerol.

Introduction

VCPKMT is a member of the methyltransferase superfamily. VCPKMT is a protein-lysine N-methyltransferase which specifically trimethylates 'Lys-315' of VCP/p97; this alteration reduces VCP ATPase activity.

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

VCPKMT Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 252 amino acids (1-229 a.a.) and having a molecular mass of 28.2kDa.

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

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