Recombinant Human valosin containing protein lysine (K) methyltransferase, His-tagged

Cat. No. VCPKMT-680H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	VCPKMT, 1-229aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-229 a.a.
Description	VCPKMT is a protein-lysine N-methyltransferase that specifically trimethylates "Lys-315" of VCP/p97; this modification may decrease VCP ATPase activity. Recombinant human VCPKMT protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Phosphate buffer saline (pH 8.0) containing 10% glycerol, 1mM DTT
Molecular Mass	28.2 kDa (252aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMADTLES SLEDPLRSFV RVLEKRDGTV LRLQQYSSGG VGCVVWDAAI VLSKYLETPE FSGDGAHALS RRSVLELGSG TGAVGLMAAT LGADVVVTDL EELQDLLKMN INMNKHLVTG SVQAKVLKWG EEIEGFPSPP DFILMADCIY YEESLEPLLK TLKDISGFET CIICCYEQRT MGKNPEIEKK YFELLQLDFD FEKIPLEKHD EEYRSEDIHI IYIRKKKSKF PS
Purity	>95% by SDS - PAGE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	VCPKMT valosin containing protein lysine (K) methyltransferase [Homo sapiens (human)]
Official Symbol	VCPKMT
Synonyms	VCPKMT; VCP-KMT; METTL21D; C14orf138; valosin containing protein lysine (K) methyltransferase; protein-lysine; methyltransferase METTL21D; methyltransferase like 21D; VCP lysine methyltransferase; methyltransferase-like protein 21D; valosin-containing protein lysine methyltransferase
Gene ID	79609
mRNA Refseq	NM_001040662
Protein Refseq	NP_001035752
MIM	615260
UniProt ID	Q9H867
Chromosome Location	14q21.3
Function	protein binding; protein-lysine N-methyltransferase activity

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