

Recombinant human VCPKMT protein

Catalog Number: ATGP2903

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-229aa

UniProt No.

Q9H867

NCBI Accession No.

NP_078834

Alternative Names

Protein-lysine methyltransferase METTL21D, C14orf138, METTL21D, VCP-KMT

PRODUCT SPECIFICATION

Molecular Weight

28.2 kDa (252aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid In. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGS>MADTLES SLEDPLRSFV RVLEKRDGTV LRLQQYSSGG VGCVVWDAAI
VLSKYLETPE FSGDGAHALS RRSVLELGSG TGAVGLMAAT LGADVVTDL EELQDLLKMN INMNKHLVTG SVQAKVLKWG

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EEIEGFPSPP DFILMADCIY YEESELEPLLK TLKDISGFET CIICCYEQRT MGKNPEIEKK YFELLQLDFD FEKIPLEKHD
EYRSEDIHI IYIRKKKSKF PS

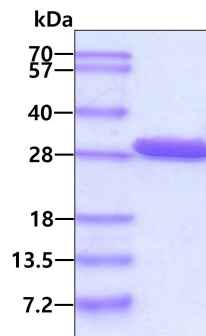
General References

Kernstock S., et al. (2012) Nat. Commun. 3:1038-1038.

Cloutier P., et al. (2013) PLoS Genet. 9:E1003210-E1003210.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.