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# Recombinant human VSTM2L protein

Catalog Number: ATGP1364

#### PRODUCT INFORMATION

## **Expression system**

E.coli

#### **Domain**

25-204aa

#### UniProt No.

O96N03

#### **NCBI Accession No.**

AAH33818

#### **Alternative Names**

V-set and transmembrane domain containing 2 like, dJ1118M15.2, C20orf102, V set and transmembrane domain containing 2 like

### **PRODUCT SPECIFICATION**

# **Molecular Weight**

22.6 kDa (205aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl,1mM DTT, 0.1mM PMSF

#### **Purity**

> 90% 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**

VSTM2L, also known as V-set and transmembrane domain containing 2, is a new modulator of HN neuroprotective activity. It colocalizes with HN in distinct brain areas as well as in primary cultured neurons, where it plays a role in the modulation of neuronal viability. When tested in HN neuroprotection bioassays, it acts as a strong antagonist of HN neuroprotective activity. This protein is the first example of a secreted antagonist of HN and may play a role in the modulation of HN biological functions. Recombinant human VSTM2L protein,



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fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

# **Amino acid Sequence**

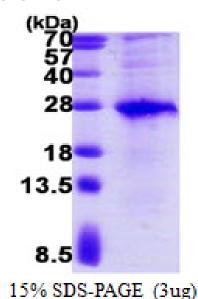
MGSSHHHHHH SSGLVPRGSH MGSHMTRPAG HAPWDNHVSG HALFTETPHD MTARTGEDVE MACSFRGSGS PSYSLEIQWW YVRSHRDWTD KQAWASNQLK ASQQEDAGKE ATKISVVKVV GSNISHKLRL SRVKPTDEGS YECRVIDFSD GKARHHKVKA YLRVQPGENS VLHLPEAPPA APAPPPPKPG KELRKRSVDQ EACSL

#### **General References**

Collins S. et al. (2001) J. Clin. Neurosci. 8:387-397. Rossini L. et al. (2011) FASEB J. 25:1983-2000

#### **DATA**

#### **SDS-PAGE**



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

