Recombinant human VSTM2L protein

Catalog Number: ATGP1364

PRODUCT INFORMATION

Expression system
E.coli

Domain
25-204aa

UniProt No.
Q96N03

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

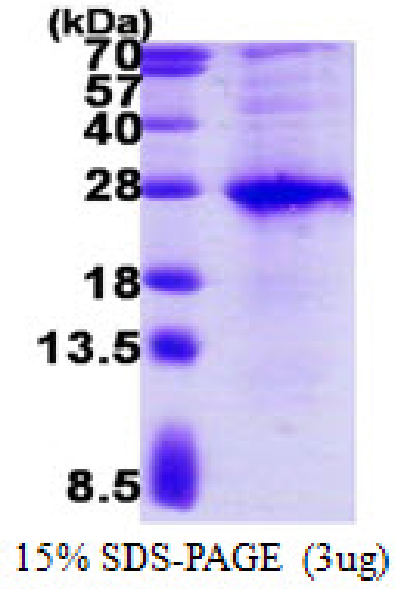
MGSSHHHHHH SSGLVPRGSH MGSHMTRPAG HAPWDNHVSG HALFTETPHD MTARTGEDVE MACSFRGSGS PSYSLEIQWW YVRSHRDWTD KQAWASNQLK ASQQEDAGKE ATKISVVKVV GSNISHKLRL SRVKPTDEGS YECRVIDFSD GKARHHKVKA YLRVQPGENS VLHLPEAPPA APAPPPPKPG KELRKRSVDQ EACSL

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.