

## VSTM2L Human

**Description:** VSTM2L Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 205 amino acids (25-204 a.a.) and having a molecular mass of 22.6kDa. VSTM2L is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-1025

For research use only.

**Synonyms:** V-set and transmembrane domain-containing protein 2-like protein, VSTM2L, C20orf102, dJ1118M15.2.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSHMTRPAG HAPWDNHVSG  
HALFTETPHD MTARTGEDVE MACSFRGSGS PSYSLEIQWW YVRSHRDWTD KQAWASNQLK  
ASQQEDAGKE ATKISVVKVV GSNISHKLRL SRVKPTDEGS YECRVIDFSD GKARHHKVKA  
YLRVQPGENS VLHLPEAPPA APAPPPKPG KELRKRSVDQ EACSL.

**Purity:** Greater than 90% as determined by SDS-PAGE.

**Formulation:**

VSTM2L protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl, 1mM DTT and 0.1mM PMSF.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

V-set and transmembrane domain containing 2 (VSTM2L) is a novel modulator of HN neuroprotective activity. VSTM2L colocalizes with HN in distinct brain areas as well as in primary cultured neurons, where it plays a part in the modulation of neuronal viability. When tested in HN neuroprotection bioassays, VSTM2L acts as a potent antagonist of HN neuroprotective activity. The VSTM2L protein is the first example of a secreted antagonist of HN and may have a role in the modulation of HN biological functions.

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