

## VTA1 Human

**Description:**VTA1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 331 amino acids (1-307 a.a.) and having a molecular mass of 36.5kDa.VTA1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PRPS-1051

For research use only.

**Synonyms:**Vacuolar protein sorting-associated protein VTA1 homolog, Dopamine-responsive gene 1 protein, DRG-1, LYST-interacting protein 5, LIP5, SKD1-binding protein 1, SBP1, VTA1, C6orf55, DRG1My012, HSPC228.

**Source:**Escherichia Coli.

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

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSHEMAALAP LPPLPAQFKS  
IQHHLRTAQE HDKRDVVVAY YCRLYAMQTG MKIDSKTPEC RKFLSKLMDQ LEALKKQLGD  
NEAITQEIVG CAHLENYALK MFLYADNEDR AGRFHKNMIK SFYTASLLID VITVFGELTD  
ENVKHKRYAR WKATYIHNCL KNGETPQAGP VGIEEDNDIE ENEDAGAASL PTQPTQPSSS  
STYDPSNMPS GN

**Purity:**Greater than 95.0% as determined by SDS-PAGE.

### Formulation:

VTA1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 10% glycerol and 200mM NaCl.

### 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:

NeoBiolabs 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:

Vps20-associated 1 homolog (VTA1) is a member of the VTA1 family. The VTA1 protein is involved in the endosomal multivesicular bodies (MVB) pathway. Furthermore, VTA1 is interacts with CHMP1B, CHMP2A, CHMP5, VPS4B, KIAA0174 (IST1) and possibly CHMP3. VTA1 is believed to be a cofactor of VPS4A/B, which catalyzes membrane-associated ESCRT-III assemblies. In addition, VTA1 is involved in the sorting and down-regulation of EGFR and also in HIV-1 budding.

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