
Product Data Sheet

Product Name: VTA1 Human
 Cat. No.: GP25004
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Vacuolar protein sorting-associated protein VTA1 homolog; DRG-1; LYST-interacting protein 5; LIP5; SKD1-binding protein 1; SBP1; VTA1; C6orf55; DRG1My012; HSPC228.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHEMAALAP LPPLPAQFKS IQHHLRTAQE HDKRDPVVAY YCRLYAMQTG MKIDSKTPEC RKFLSKLMDQ LEALKKQLGD NEAITQEIVG CAHLENYALK MFLYADNEDR AGRFHKNMIK SFYTASLLID VITVFGELTD ENVKHRKYAR WKATYIHNCL KNGETPQAGP VGIEEDNDIE ENEDAGAASL PTQPTQPSSS STYDPSNMPS GNYTGIQIPP GAHAPANTPA EVPHSTGVAS NTIQPTPQTI PAIDPALFNT ISQGDVRLTP EDFARAQKYC KYAGSALQYE DVSTAVQNLQ KALKLLTTGR E.		
Formulation	VTA1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 10% glycerol and 200mM NaCl.		

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.

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA