VTA1 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	VTA1, Lysate
Full Product Name	Human VTA1 Protein Lysate
Product Gene Name	VTA1 lysate
Product Synonym Names	VTA1; C6orf55; DRG-1; DRG1; HSPC228; LIP5; My012; SBP1
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C This protein lysate can be reconsituted using SDS Sample Buffer. Once reconsituted, aliquot and store any remaining material at -20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	24,553 Da
3D Structure	ModBase 3D Structure for Q9NP79
Species	Human
Related Product Information for VTA1 lysate	Human VTA1 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells.
Other Notes	Small volumes of VTA1 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for VTA1 purchase	MBS8429761 is a lysate targeting VTA1. Also known as Human VTA1 Protein Lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VTA1. It may not necessarily be applicable to this product.

NCBI GI #	21361741
NCBI GeneID	51534
NCBI Accession #	NP_057569
UniProt Primary Accession #	Q9NP79
UniProt Secondary Accession #	Q5TGM1; Q6IAE8; Q9H0R2; Q9H3K9; Q9P0Q0; B4DW55; E1P594; E7ETQ7
UniProt Related Accession #	Q9NP79
GenBank Nucleotide #	NM_016485
NCBI Official Full Name	vacuolar protein sorting-associated protein VTA1 homolog isoform a
NCBI Official Synonym Full Names	vesicle trafficking 1
NCBI Official Symbol	VTA1
NCBI Official Synonym Symbols	DRG1; LIP5; SBP1; DRG-1; My012; C6orf55; HSPC228
Protein Family	Vacuolar protein sorting-associated protein
NCBI Protein Information	vacuolar protein sorting-associated protein VTA1 homolog

NCBI Summary for VTA1	C6ORF55 encodes a protein involved in trafficking of the multivesicular body, an endosomal compartment involved in sorting membrane proteins for degradation in lysosomes (Ward et al., 2005 [PubMed 15644320]).[supplied by OMIM, Mar 2008]
Research Articles on VTA1	**1.** Data suggest that AQP2 binds LIP5 in a AQP2-phosphorylation-dependent manner; phospho-mimicking mutations and phosphorylation reduce thermal stability of AQP2; AQP2 phosphorylation allosterically controls its interaction with LIP5. [AQP2 = aquaporin 2; LIP5 = LYST-interacting protein 5; LYST = lysosomal trafficking regulator protein]
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