

## Product datasheet for TP301273M

### YL1 (VPS72) (NM\_005997) Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human vacuolar protein sorting 72 homolog ( <i>S. cerevisiae</i> ) (VPS72), 100 µg |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC201273 protein sequence<br>Red=Cloning site Green=Tags(s)  |

MSLAGGRAPRKTAGNRLSGLLEAEEDEFYQTTYGGFTEESGDDEYQGDQSDTEDEVSDFDIDEGDEPS  
SDGEAEEP RRKRRVTKAYKEPLKSLRPRKVNTPAGSSQKAREEKALLPLELQDDGSDSRKSMRQSTAEH  
TRQTLRVQERQGSRRRKGPHCERPLTQEELLREAKITEELNLRSLTYERLEADKKKQVHKKRKC  
IITYHSVTPLVGPKEENVNIEGLDPAPSVSALTPHAGTGPVNPPARCSRTFITFSDDATFEWFPQ  
GRPPKVPVREVCVTHRPALYRDPVTDIPYATARAFKIIREAYKKYITAHGLPPTASALGPGPPPPEPLP  
GSGPRALRQKIVIK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 40.4 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:        | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Preparation:   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                     |
| Note:          | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage:       | Store at -80°C.  |
| Stability:     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |
| RefSeq:        | <u><a href="#">NP_005988</a></u>   |



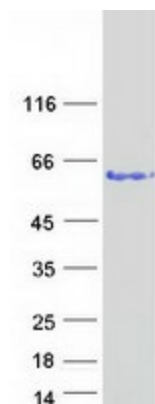
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|               |                              |
|---------------|------------------------------|
| Locus ID:     | 6944                         |
| UniProt ID:   | <a href="#">Q15906</a>       |
| RefSeq Size:  | 1546                         |
| Cytogenetics: | 1q21.3                       |
| RefSeq ORF:   | 1092                         |
| Synonyms:     | CFL1; Swc2; TCFL1; YL-1; YL1 |

**Summary:** The protein encoded by this gene is a shared subunit of two multi-component complexes, the histone acetyltransferase complex TRRAP/TIP60 as well as the chromatin remodeling SRCAP-containing complex. The TRRAP/TIP60 complex acetylates nucleosomal histones important for transcriptional regulation, double strand DNA break repair and apoptosis. The SRCAP-containing complex catalyzes the exchange of histone H2A with the histone variant Htz1 (H2AFZ) into nucleosomes. This protein may be responsible for binding H2AFZ, which has a role in chromosome segregation. This protein may also have a role in regulating long-term hematopoietic stem cell activity. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Aug 2012]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified VPS72 protein (Cat# [TP301273]). The protein was produced from HEK293T cells transfected with VPS72 cDNA clone (Cat# [RC201273]) using MegaTran 2.0 (Cat# [TT210002]).