

Recombinant Human VPS72 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. VPS72-5247H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	VPS72 MS Standard C13 and N15-labeled recombinant protein (NP_005988) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	40.6 kDa
AA Sequence	MSLAGGRAPRKTAGNRLSGLLEAEEDEFYQTTYGGFTEESGDDEYQGDQSDTED EVDSDFDIDEGDEPSSDGEAEPRRKRRVVTKAYKEPLKSLRPRKVNTPAGSSQKA REEKALLPLELQDDGSDSRKSMRQSTAEHTRQTFLRVQERQGGQSRRRKGPHCERP

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LTQEELLREAKITEELNLRSLITYERLEADKKKQVHKKRKCPGPIITYHSVTVPVLVGEP
GPKEENVLDIEGLDPAPSVSALTPHAGTGPVNPPARCSRTFITFSDDATFEWFPQG
RPPKVPVREVCVTHRPALYRDPVTDIPYATARAFAKIIREAYKKYITAHGLPPTASALG
PGPPPPEPLPGSGPRALRQKIVIKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name VPS72 vacuolar protein sorting 72 homolog [Homo sapiens (human)]

Official Symbol VPS72

Synonyms VPS72; vacuolar protein sorting 72 homolog (S. cerevisiae); TCFL1, transcription factor like 1, vacuolar protein sorting 72 (yeast); vacuolar protein sorting-associated protein 72 homolog; Swc2; YL 1; YL1; protein YL-1; transcription factor-like 1 (YL-1); CFL1; YL-1; TCFL1;

Gene ID 6944

mRNA Refseq NM_005997

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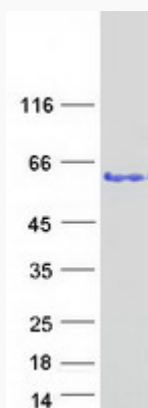
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Protein Refseq NP_005988

MIM 600607

UniProt ID Q15906

SDS-PAGE



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