

Recombinant Homo sapiens Squamous cell carcinoma antigen recognized by T-cells 3

Catalog No: #AP73061

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Package Size: #AP73061-1 20ug #AP73061-2 100ug #AP73061-3 1mg

Description

Product Name	Recombinant Homo sapiens Squamous cell carcinoma antigen recognized by T-cells 3
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:600-900aaSequence Info:Partial
Other Names	Tat-interacting protein of 110KDA1 Publication Short name: Tip1101 Publication p110 nuclear RNA-binding protein
Accession No.	Q15020
Uniprot	Q15020
GeneID	9733;
Calculated MW	35.8 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	QRKRARAEEKKALKKKKKIRGPEKRGAEDEDEKEWGDDEEEQPSKRRRVENSIPAAGETQNVEVAAGPAGKC AAVDVEPPSKQKEKAASLKRDMPKVLHDSSKDSITVFSNLPYSMQEPDTKLRPLFEACGEVVQIRPIFSNRG DFRGYCYVEFKEEKSALQALEMDRKSVEGRPMFVSPCVDKSKNPDFKVFYSTSLEKHKLFIISGLPFSCTKEE LEEICKAHGTVKDLRLVTNRAGKPKGLAYVEYENESQASQAVMKMDGMTIKENIIKVAISNPPQRKVPEKPETR KAPGGPMLLP
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

U6 snRNP-binding protein that functions as a recycling factor of the splicing machinery. Promotes the initial reassembly of U4 and U6 snRNPs following their ejection from the spliceosome during its maturation (PubMed:12032085). Also binds U6atac snRNPs and may function as a recycling factor for U4atac,U6atac spliceosomal snRNP, an initial step in the assembly of U12-type spliceosomal complex. The U12-type spliceosomal complex plays a role in the splicing of introns with non-canonical splice sites (PubMed:14749385). May also function as a substrate-targeting factor for deubiquitinases like USP4 and USP15. Recruits USP4 to ubiquitinated PRPF3 within the U4,U5,U6 tri-snRNP complex, promoting PRPF3 deubiquitination and thereby regulating the spliceosome U4,U5,U6 tri-snRNP spliceosomal complex disassembly (PubMed:20595234). May also recruit the deubiquitinase USP15 to histone H2B and mediate histone deubiquitination, thereby regulating gene expression and,or DNA repair (PubMed:24526689). May play a role in hematopoiesis probably through transcription regulation of specific genes including MYC (By similarity).By similarity4 Publications

Regulates Tat transactivation activity through direct interaction. May be a cellular factor for HIV-1 gene expression and viral replication.

References

"The finished DNA sequence of human chromosome 12."Scherer S.E., Muzny D.M., Buhay C.J., Chen R., Cree A., Ding Y., Dugan-Rocha S., Gill R., Gunaratne P., Harris R.A., Hawes A.C., Hernandez J., Hodgson A.V., Hume J., Jackson A., Khan Z.M., Kovar-Smith C., Lewis L.R. Gibbs R.A.Nature 440:346-351(2006)Research Topic:Cancer

Note: This product is for in vitro research use only