

Recombinant Human PA1, His-tagged

Cat. No. PA1-3530H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PA1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (1-254aa).
Species	Human
Source	E.coli
Description	PA1 is a component of a Set1-like multiprotein histone methyltransferase complex. It interacts with PAXIP1/PTIP; the interaction is direct and is required for the association with the rest of the PTIP complex. This protein plays a critical role in maintaining genome stability, condensation of chromatin and progression through mitosis.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.
Molecular Weight	29.9 kDa (274aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
Purity	>85 % by SDS -PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MSLARGHGD T AASTAAPLSE EGEVTSG LQA LAVEDTGGPS ASAGKAEDEG EGGREETERE GSGGEEAQGE VPSAGGEEPA EEDSEDWCVP CSDEEVELPA DGQPWMPPPS EIQRLYELLA AHGTLELQAE

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ILPRRPPTPE AQSEEERSDE EPEAKEEEEE KPHMPTEFDF DDEPVTPKDS
 LIDRRRTPGS SARSQKREAR LDKVLSDMKR HKKLEEQILR TGRDLFSLDS
 EDPSPASPPL RSSGSSLFPR QRKY

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

C16orf53 chromosome 16 open reading frame 53 [Homo sapiens]

Synonyms

C16orf53; PA1; GAS; MGC4606; FLJ22459; PAXIP1-associated protein 1; PTIP-associated 1 protein; PTIP-associated protein 1; glutamate-rich coactivator interacting with SRC1/NCOA1

Gene ID

79447

mRNA Refseq

NM_024516

Protein Refseq

NP_078792

MIM

612033

UniProt ID

Q9BTK6

**Chromosome
Location**

16p11.2

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