

**PA1, 1-254aa, Human, His tag, E.coli**

**Cat.NO.: TP03279**

3th Edition

**Synonyms:**PAXIP1-associated protein 1, FLJ22459, GAS, MGC4606, C16orf53.

**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. Recombinant human PA1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**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)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMSLARGHGDTAASTAAPLSEEGEVTSGLQALAVEDTGGPSASAGKAEDEGEGG  
REETEREGSGGEEAQGEVPSAGGEEPAEEDSEDWCVPCSDDEVELPADGQPWMPPPSEIQRLYELLAHGTLEL  
QAEILPRRPPTPEAQSEEERSDEEPEAKEEEEEKPHMPTEFDDEPVTPKDSLIDRRRTPGSSARSQKREARLDK  
VLSDMKRHHKLEEQILRTGRDLFSLDSEDPSPASPLRSSGSSLFPRQRKY

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.