

Recombinant human PA1/PAGR1 protein

Catalog Number: ATGP1058

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-254aa

UniProt No.

Q9BTK6

NCBI Accession No.

NP_078792

Alternative Names

PAXIP1 associated glutamate rich protein 1, Glutamate-rich coactivator interacting with SRC1/NCOA1, PTIP-associated 1 protein, Glutamate-rich coactivator associated with SRCC16orf53, GAS PA1

PRODUCT SPECIFICATION

Molecular Weight

29.9 kDa (274aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

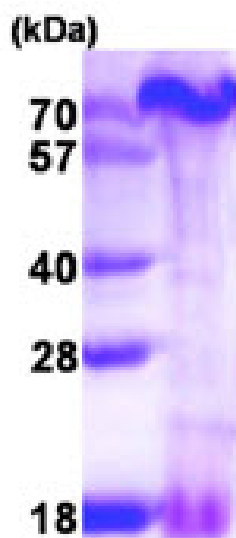
MGSSHHHHHH SGLVPRGSH MSLARGHGDT AASTAAPLSE EGEVTSGLQA LAVEDTGGPS ASAGKAEDEG
EGGREETERE GSGGEEAQGE VPSAGGEEPA EEDSEDWCVP CSDEEVELPA DGQPWMPPPS EIQRLYELLA AHGTLELQAE
ILPRRPPTPE AQSEEERSDE EPEAKEEEEE KPHMPTEFDF DDEPVTPKDS LIDRRRTPGS SARSQKREAR LDKVLSDMKR
HKKLEEQILR TGRDLFSLDS EDPSPASPPL RSSGSSLFPR QRKY

General References

Liang J., et al. (2009) EMBO Rep. 10(1):51-7.
Cho YW., et al. (2007) J Biol Chem. 282(28):20395-406.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)