

Recombinant Human Chromosome 16 Open Reading Frame 53, His-tagged

Cat. No. C16orf53-1676H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human C16orf53 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	C16orf53 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.
Concentration	1 mg/ml
Form	Supplied as a liquid in 20 mM Tris-HCl buffer, pH 8.0, containing 10% glycerol, 2 mM DTT and 0.1 M NaCl.
Purity	> 85% pure by SDS-PAGE
Sequence	1-254 amino acids: MGSSHHHHHH SGLVPRGSH MSLARGHGDT AASTAAPLSE EGEVTSG LQA LAVEDTGGPS ASAGKA EDEGEGGREETERE GSGGEEAQGE VPSAGGEEPA EEDSEDWCVP CSDEEVELPA DGQPWMPPPS EIQRLYELLA AHGTLELQAE ILPRRPPTPE AQSEEERSDE EPEAKEEEEE

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KPHMPTEFDF DDEPVTPKDS LIDRRRTPGSSARSQ

Molecular Mass

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

Applications

SDS-PAGE

Storage

C16orf53 protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

Official Symbol

C16orf53

GENE INFORMATION

Gene Name

[C16orf53 chromosome 16 open reading frame 53 \[Homo sapiens \]](#)

Synonyms

C16orf53; chromosome16 open reading frame 53; GAS; PA1; MGC4606; FLJ22459; PAXIP1-associated protein 1; OTTHUMP00000162997; 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](#)

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Chromosome Location	16p11.2
Function	protein binding