

Recombinant Full Length Human ATRX Protein, C-His-tagged

Cat. No. ATRX-13HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant Full Length protein of Human alpha thalassemia/mental retardation syndrome X-linked (ATRX), transcript variant 1, with N-terminal His tag, expressed in E. coli.
Species	Human
Source	E.coli
Description	The protein encoded by this gene contains an ATPase/helicase domain, and thus it belongs to the SWI/SNF family of chromatin remodeling proteins. This protein is found to undergo cell cycle-dependent phosphorylation, which regulates its nuclear matrix and chromatin association, and suggests its involvement in the gene regulation at interphase and chromosomal segregation in mitosis. Mutations in this gene are associated with X-linked syndromes exhibiting cognitive disabilities as well as alpha-thalassemia (ATRX) syndrome. These mutations have been shown to cause diverse changes in the pattern of DNA methylation, which may provide a link between chromatin remodeling, DNA methylation, and gene expression in developmental processes. Multiple alternatively spliced transcript variants encoding distinct isoforms have been reported.
Molecular Mass	18.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

experience some loss of protein during the filtration process.

Stability

Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage

Store at -80 centigrade.

Concentration

>50 µg/mL as determined by microplate BCA method

Storage Buffer

25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 10% glycerol

Full Length

Full L.

GENE INFORMATION

Gene Name

ATRX alpha thalassemia/mental retardation syndrome X-linked [Homo sapiens (human)]

Official Symbol

ATRX

Synonyms

ATRX; alpha thalassemia/mental retardation syndrome X-linked; alpha thalassemia/mental retardation syndrome X linked (RAD54 (S. cerevisiae) homolog) , JMS, Juberg Marsidi syndrome , RAD54; transcriptional regulator ATRX; RAD54 homolog (S. cerevisiae); XH2; XNP; RAD54 homolog; X-linked helicase II; Zinc finger helicase; helicase 2, X-linked; X-linked nuclear protein; ATP-dependent helicase ATRX; DNA dependent ATPase and helicase; alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog, S. cerevisiae); JMS; SHS; ATR2; SFM1; RAD54; MRXHF1; RAD54L; ZNF-HX; MGC2094

Gene ID

546

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

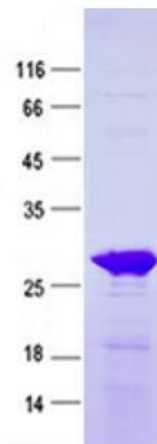
mRNA Refseq [NM_000489](#)

Protein Refseq [NP_000480](#)

MIM [300032](#)

UniProt ID [P46100](#)

SDS-PAGE



Purified recombinant protein ATRX was analyzed by SDS-PAGE gel and Coomossie Blue Staining.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA