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## Recombinant human NAA10 protein

Catalog Number: ATGP1159

#### PRODUCT INFORMATION

#### **Expression system**

E.coli

#### **Domain**

1-235aa

#### **UniProt No.**

P41227

#### **NCBI Accession No.**

NP 003482

#### **Alternative Names**

N (alpha)-acetyltransferase 10 NatA catalytic subunit, N (alpha)-acetyltransferase 10, NatA catalytic subunit, ARD1, ARD1A, DXS707, MGC71248, TE2

#### **PRODUCT SPECIFICATION**

### **Molecular Weight**

28.6 kDa (255aa) 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 5mM DTT, 10% glycerol, 200mM NaCl

#### **Purity**

> 90% 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**

NAA10 belongs to the acetyltransferase family. NAA10 interacts NAA15, HIF-1 with the ribosome. In its binding to HIF-1, NAA10 acts as a protein acetyltransferase by regulating its stability. In many cell lines, NAA10 is downregulated in response to hypoxia. NAA10 is expressed throughout the development of the brain. Recombinant human NAA10 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**

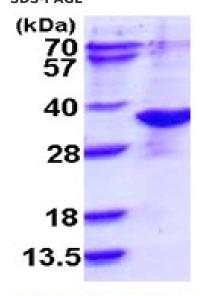
MGSSHHHHHH SSGLVPRGSH MNIRNARPED LMNMQHCNLL CLPENYQMKY YFYHGLSWPQ LSYIAEDENG KIVGYVLAKM EEDPDDVPHG HITSLAVKRS HRRLGLAQKL MDQASRAMIE NFNAKYVSLH VRKSNRAALH LYSNTLNFQI SEVEPKYYAD GEDAYAMKRD LTQMADELRR HLELKEKGRH VVLGAIENKV ESKGNSPPSS GEACREEKGL AAEDSGGDSK DLSEVSETTE STDVKDSSEA SDSAS

#### **General References**

Arnesen T., et al. (2005) Biochem. J. 386:433-443 Jeong J.-W., et al. (2002) Cell 111:709-720

#### **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

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

