

# Recombinant human HN1 protein

Catalog Number: ATGP2055

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

1-154aa

**UniProt No.**

Q9UK76

**NCBI Accession No.**

NP\_057269

**Alternative Names**

Hematological and neurological expressed 1 protein, ARM2, HN1A

## PRODUCT SPECIFICATION

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**Molecular Weight**

18.1 kDa (174aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

**Concentration**

0.5mg/ml (determined by BCA assay)

**Formulation**

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

**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

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**Description**

Hematological and neurological expressed 1 protein, also known as HN1, is a small protein that is highly conserved among species. HN1 expression is upregulated in regenerating neural tissues, including the axotomized adult rodent facial motor nerve and dedifferentiating retinal pigment epithelial cells of the Japanese newt. It is also expressed in numerous tissues during embryonic development as well as in regions of the adult brain that exhibit high plasticity. Recombinant human HN1 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> MTTTTTFKGV DPNSRNSSRV LRPPGGGSNF SLGFDEPTEQ PVRKNKMASN  
IFGTPEENQA SWAKSAGAKS SGGREDLESS GLQRRNSSEA SSGDFLDLKG EGDHENVDT DLPGSLGQSE EKPVPAAPVP  
SPVAPAPVPS RRNPPGGKSS LVLG

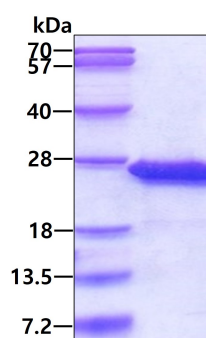
### General References

Laughlin K M., et al. (2009) Differentiation. 78(1):35-44

Zhou G., et al. (2004) Gene. 331:115-23.

## DATA

### SDS-PAGE



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