

Recombinant human HN1 protein

Catalog Number: ATGP2055

PRODUCT INFORMATION

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

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

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

<MGSSHHHHH SSGLVPRGSH> MTTTTTFKGV DPNSRNSSRV LRPPGGGSNF SLGFDEPTEQ PVRKNKMASN
IFGTPEENQA SWAKSAGAKS SGGREDLESS GLQRRNSSEA SSGDFLDLKG EGDHENVDT DLPGLGQSE EKPVPAAPVP
SPVAPAPVPS RRNPPGGKSS LVLG

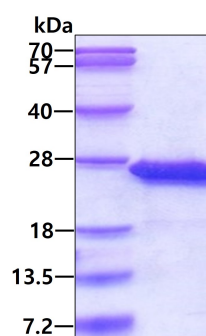
General References

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.