

HN1, 1-154aa, Human, His tag, E.coli

Cat.NO.: TP02475

3th Edition

Synonyms:Hematological and neurological expressed 1 protein, ARM2, HN1A

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.

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

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

Sequences:

MGSSHHHHHSSGLVPRGSHMTTTFKGVDPNSRNSSRVLRPPGGGSNFSGLGFDEPTEQPVRKNKMASNIFGT
PEENQASWAKSAGAKSSGGREDLESSGLQRRNSSEASSGDFDLKGEGDIHENVDTDLPGSLGQSEEKPVPAAP
VPSPVAPAPVPSRRNPPGGKSSLVLG

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by BCA assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.