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## Product Data Sheet

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Product Name: HN1 Human  
 Cat. No.: GP23663  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ARM2; HN1A; Hematological and neurological expressed 1 protein; Androgen-regulated protein 2; HN1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MTTTTTFKGV DPNSRNSSRV LRPPGGGSNF SLGFDEPTEQ PVRKNKMASN IFGTPEENQA SWAKSAGAKS SGGREDLESS GLQRRNSSEA SSGDFLDLKG EGDIHENVDT DLPGSLGQSE EKPVPAAPVP SPVAPAPVPS RRNPPGGKSS LVLG.		
Formulation	The HN1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 10% glycerol.		

### Introduction

Hematological and neurological expressed 1 protein (HN1) is a small protein which is extremely preserved 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. HN1 is also expressed in several tissues during embryonic development as well as in regions of the adult brain which display high plasticity.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

HN1 Human Recombinant produced in E. coli is a single polypeptide chain containing 174 amino acids (1-154) and having a molecular mass of 18.1kDa. HN1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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