Hello Bio, Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

Recombinant human Neurogenin-3 protein

Product overview

Name Cat No Biological description	Recombinant human Neurogenin-3 protein HB9047 The Neurogenin-3 transcription factor is implicated in the control of dendrite morphology and synaptic plasticity of cultured hippocampal neurons.
Species of origin	human
Alternative names	Recombinant Human Neurogenin 3, Neurogenin 3, Class A Basic Helix-Loop-Helix Protein 7, Protein Atonal Homolog 5, BHLHA7, Math4B, NGN3, Atoh5.
Purity	>85%
Description	Transcription factor that is involved in neurogenesis

Solubility & Handling

Storage instructions	-20°C
Handling	• Solutions should be made in sterile deionized water (not less than 100 µg/ml). This solution can then be further diluted with other aqueous solutions.
	 Following reconstitution, solutions may be stored at 4°C and are useable for around 2-7 days and for future use store at -18°C.
	 For long term storage, a carrier protein (0.1% HSA or BSA) should be added to stock solutions. Solutions should be aliquoted into tightly sealed vials for storage at -20°C. Freeze-thaw cycles should be prevented.
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

Chemical Data

UniProt ID Molecular Weight Sequence (one letter)	Q9Y4Z2 25.1 MGSSHHHHHH SSGLVPRGSH MTPQPSGAPT VQVTRETERS FPRASEDEVT CPTSAPPSPT RTRGNCAEAE EGGCRGAPRK LRARRGGRSR PKSELALSKQ RRSRRKKAND RERNRMHNLN SALDALRGVL PTFPDDAKLT KIETLRFAHN YIWALTQTLR IADHSLYALE PPAPHCGELG SPGGSPGDWG SLYSPVSQAG SLSPAASLEE RPGLLGATSS ACLSPGSLAF SD
Source	E. Coli.
Appearance	Clear solution (sterile filtered)
Formulation	Solution (0.25mg/ml) containing Tris-HCl buffer (20mM, pH 8.0), 0.4M Urea and 10% glycerol

References

Neurogenin 3 Expressing Cells in the Human Exocrine Pancreas Have the Capacity for Endocrine Cell Fate

Gomez DL *et al* (2015) PLoS One 10(8) **PubMedID** 26288179

Neurogenin 3-expressing progenitor cells in the gastrointestinal tract differentiate into both endocrine and non-endocrine cell types

 Schonhoff SE et al (2004) Dev Biol 270(2)

 PubMedID
 15183725

Neurogenin 3 cellular and subcellular localization in the developing and adult hippocampus

 Simon-Areces J et al (2010) J Comp Neurol 518(10)

 PubMedID
 20235092