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DATASHEET

Recombinant human Neurogenin-3 protein

Product overview

Name	Recombinant human Neurogenin-3 protein
Cat No	HB9047
Biological description	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	<ul style="list-style-type: none">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	Q9Y4Z2
Molecular Weight	25.1
Sequence (one letter)	MGSSHHHHHH SGLVPRGSH MTPQPSGAPT VQVTRETERS FPRASEDEVT CPTSAPPSPT RTRGNCAEAE EGGCRGAPRK LRARRGGRSR PKSELALSKQ RRSRRKKAND RERNRMHNLN SALDALRGVL PTFPDDAKLT KIETLRFAHN YIWALTQTLR IADHSLYALE PPAPHCGLG SPGGSPGDWG SLSPVVSQAG 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)

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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)

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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](#)
