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DATASHEET

Recombinant human Neurogenin-3 protein

Product overview

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|-------------------------------|--|
| 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

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|-----------------------------|---|
| 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

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|------------------------------|--|
| UniProt ID | Q9Y4Z2 |
| Molecular Weight | 25.1 |
| Sequence (one letter) | MGSSHHHHHH SSGLVPRGSH MTPQPSGAPT VQVTRETERS FPRASEDEVT CPTSAPPSP RTRGNCAEAE EGGCRGAPRK LRARRGGRSR PKSELALSKQ RRSRRKKAND RERNRMHNLN SALDALRGVL PTFPDDAKLT KIETLRFAHN YIWALTQTLR IADHSLYALE PPAPHCGELG SPGGSPGDWG SLYSPVSQLAG 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
