

Recombinant human Neurogenin-3 protein

Catalog Number: ATGP2498

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-214aa

UniProt No.

Q9Y4Z2

NCBI Accession No.

AAH74938.1

Alternative Names

Neurogenin 3, Atoh5, bHLHa7, Math4B, ngn3

PRODUCT SPECIFICATION

Molecular Weight

25.1 kDa (234aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

NEUROG3 is a basic helix-loop-helix (bHLH) transcription factor involved in neurogenesis. The protein likely acts as a heterodimer with another bHLH protein. Defects in this gene are a cause of congenital malabsorptive diarrhea 4 (DIAR4). Recombinant human NeuroG3 protein, fused to His-tag at N-terminus, was expressed in E. coli

Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MTPQPSGAPT VQVTRETERS FPRASEDEVT CPTSAPPSPT RTRGNCAEAE EGGCRGAPRK

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LRARRGGRSR PKSELALSKQ RRSRRKKAND RERNRMHNLN SALDALRGVL PTFPDDAKLT KIETLRF AHN YIWALTQTLR
IADHSLYALE PPAPHC GELG SPGGSPGDWG SLYSPVSQAG SLSPAASLEE RPGLLGATSS ACLSPGSLAF SDFL

General References

Wang J., Cortina G. et al. (2006) N. Engl. J. Med. 355:270-280

DATA

SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

