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Recombinant human Neurogenin-3 protein

Catalog Number: ATGP2498

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-214aa

UniProt No.

09Y4Z2

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

MGSSHHHHHH SSGLVPRGSH MTPOPSGAPT VOVTRETERS FPRASEDEVT CPTSAPPSPT RTRGNCAEAE EGGCRGAPRK



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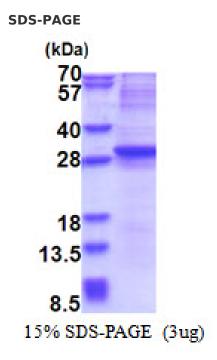
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LRARRGGRSR PKSELALSKQ RRSRRKKAND RERNRMHNLN SALDALRGVL PTFPDDAKLT KIETLRFAHN YIWALTQTLR IADHSLYALE PPAPHCGELG SPGGSPGDWG SLYSPVSQAG SLSPAASLEE RPGLLGATSS ACLSPGSLAF SDFL

General References

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

DATA



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

