

## Recombinant Human neurogenin 3, His-tagged

**Cat. No.** NEUROG3-401H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	NEUROG3, 1-214aa, Human, His tag, E.coli
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-214 a.a.
<b>Description</b>	<p>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</p>
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
<b>Molecular Mass</b>	25.1 kDa (234aa)
<b>AA Sequence</b>	<p>MGSSHHHHHH SSGLVPRGSH MTPQPSGAPT VQVTRETERS FPRASEDEVT  CPTSAPPSPT RTRGNCAEAE EGGCRGAPRK LRARRGGRSR PKSELALSKQ  RRSRRKKAND RERNRMHNLN SALDALRGVL PTFPDDAKLT KIETLRF AHN  YIWALTQTLR IADHSLYALE PPAPHC GELG SPGGSPGDWG SLYSPVSQAG  SLSPAASLEE RPGLLGATSS ACLSPGSLAF SDFL</p>
<b>Purity</b>	>85% by SDS - PAGE

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Storage</b>	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	0.25 mg/ml (determined by Bradford assay)
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	NEUROG3 neurogenin 3 [ Homo sapiens ]
<b>Official Symbol</b>	NEUROG3
<b>Synonyms</b>	NEUROG3; neurogenin 3; neurogenin-3; Atoh5; bHLHa7; Math4B; ngn3; protein atonal homolog 5; class A basic helix-loop-helix protein 7; NGN-3;
<b>Gene ID</b>	<a href="#">50674</a>
<b>mRNA Refseq</b>	<a href="#">NM_020999</a>
<b>Protein Refseq</b>	<a href="#">NP_066279</a>
<b>MIM</b>	<a href="#">604882</a>
<b>UniProt ID</b>	<a href="#">Q9Y4Z2</a>
<b>Chromosome Location</b>	10q21.3
<b>Pathway</b>	Developmental Biology, organism-specific biosystem; Maturity onset diabetes of the young, organism-specific biosystem; Maturity onset diabetes of the young, conserved biosystem; Notch-mediated HES/HEY network, organism-specific biosystem; Regulation of beta-cell development, organism-specific biosystem; Regulation of

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



gene expression in endocrine-committed (NEUROG3+) progenitor cells, organism-specific biosystem; Regulation of gene expression in late stage (branching morphogenesis) pancreatic bud precursor cells, organism-specific biosystem;

**Function**

DNA binding; double-stranded DNA binding; transcription coactivator activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA