

NEUROG3 (Human) Recombinant Protein

Catalog # P8953

Size 2 x 10 ug

Specification

Product Description	Human NEUROG3 (Q9Y4Z2, 1 a.a. - 214 a.a.) partial-length recombinant protein with His tag at N-Terminus expressed in <i>Escherichia coli</i> .
Sequence	MGSSHHHHHHSSGLVPRGSHMTPQPSGAPTQVQVRETERSFPRASEDEVTCPTSAPPSPTRTRGNCAEAEEGGCRGAPRKLRRRGGRSRPKSELALSKQRRSRKKANDRERNRMHNLNSALDALRGVLPFTFPDDAKLTKIETLRFAHNYWALTQTLRIADHSLYALEPPAPHCHELSPGGSPGDWGSLYSPVSQAGSLSPAASLEERPGLLGATSSACLSPGSLAFSDFL
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	25.1
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 85% by SDS PAGE
Storage Buffer	20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage Instruction	Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Applications

- SDS-PAGE

Gene Info — NEUROG3

Entrez GeneID [50674](#)

Protein Accession# [Q9Y4Z2](#)

Gene Name	NEUROG3
Gene Alias	Atoh5, Math4B, bHLHa7, ngn3
Gene Description	neurogenin 3
Omim ID	604882
Gene Ontology	Hyperlink
Gene Summary	Neurogenin-3 (NEUROG3) is expressed in endocrine progenitor cells and is required for endocrine cell development in the pancreas and intestine (Wang et al., 2006 [PubMed 16855267]). It belongs to a family of basic helix-loop-helix transcription factors involved in the determination of neural precursor cells in the neuroectoderm (Gradwohl et al., 2000 [PubMed 10677506]).[supplied by OMIM]
Other Designations	OTTHUMP00000019730

Pathway

- [Maturity onset diabetes of the young](#)

Disease

- [Anovulation](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Diabetic Ketoacidosis](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Hyperglycemia](#)
- [Hyperinsulinism](#)