Full-Length

NEUROG3 (Human) Recombinant Protein (P01)

Catalog # H00050674-P01 Size 50 ug

Specification

Product Description	Human NEUROG3 full-length ORF (BAG36669.1, 1 a.a. - 214 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MTPQPSGAPTVQVTRETERSFPRASEDEVTCPTSAPPSPTRTRGNCAEAEEGGCRGAPRKLRA RRGGRSRPKSELALSKQRRSRRKKANDRERNRMHNLNSALDALRGVLPTFPDDAKLTKIETLRF AHNYIWALTQTLRIADHSLYALEPPAPHCGELGSPGGSPGDWGSLYSPVSQAGSLSPAASLEER PGLLGATFSACLSPGSLAFSDFL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	49.5
Interspecies Antigen Sequence	Mouse (76); Rat (77)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production

- Protein Array

Gene Info — NEUROG3

Entrez GeneID	50674
GeneBank Accession#	AK313952.1
Protein Accession#	BAG36669.1
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