

Product datasheet for PH324767

Neurogenin3 (NEUROG3) (NM_020999) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NEUROG3 MS Standard C13 and N15-labeled recombinant protein (NP_066279)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224767
Predicted MW:	22.9 kDa
Protein Sequence:	>RC224767 representing NM_020999 Red=Cloning site Green=Tags(s) MTPQPSGAPTQVQVRETERSFPRASEDEVTCPTSAPPSPTRTRGNCAEAEEGGCRGAPRKLRRARRGGRSR PKSELALSKQRRSRRKKANDRERNRMHNLNSALDALRGVLPFPDDAKLTKIETLRFHNYI WALQT LR IADHSLYALEPPAPHC GELGSPGGSPGDWGSLYSPV SQAGSLSPAASLEERPGLLGATSSACLSPGSLAF SDFL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_066279
RefSeq Size:	1167
RefSeq ORF:	642
Synonyms:	Atoh5; bHLHa7; Math4B; NGN-3; ngn3
Locus ID:	50674
UniProt ID:	Q9Y4Z2 , Q5VVI0



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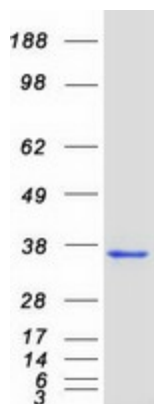
Cytogenetics: 10q22.1

Summary: The protein encoded by this gene is a basic helix-loop-helix (bHLH) transcription factor involved in neurogenesis. The encoded protein likely acts as a heterodimer with another bHLH protein. Defects in this gene are a cause of congenital malabsorptive diarrhea 4 (DIAR4).[provided by RefSeq, May 2010]

Protein Families: ES Cell Differentiation/IPS

Protein Pathways: Maturity onset diabetes of the young

Product images:



Coomassie blue staining of purified NEUROG3 protein (Cat# [TP324767]). The protein was produced from HEK293T cells transfected with NEUROG3 cDNA clone (Cat# [RC224767]) using MegaTran 2.0 (Cat# [TT210002]).