

Product datasheet for PH321558

DEFB118 (NM_054112) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DEFB118 MS Standard C13 and N15-labeled recombinant protein (NP_473453)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221558
Predicted MW:	13.6 kDa
Protein Sequence:	>RC221558 protein sequence Red =Cloning site Green =Tags(s) MKLLLLALPMLVLLPQVIPAYSGEKKCWNRSGHCRKQCKDGEAVKDTCKNLRACCIPSNEDHRRVPATSP TPLSDSTPGIIDDILTVRFITTDYFEVSSKDMVEESEAGRGTETSLPNVHHSS TR TRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_473453
RefSeq Size:	1158
RefSeq ORF:	369
Synonyms:	C20orf63; DEFB-18; ESC42; ESP13.6
Locus ID:	117285
UniProt ID:	Q96PH6 , A0A384MTK2
Cytogenetics:	20q11.21



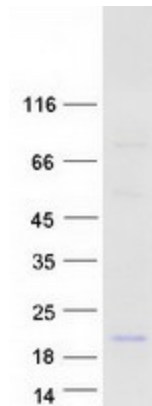
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Summary:

This gene encodes a member of the beta subfamily of defensins. Beta-defensins are antimicrobial peptides that protect tissues and organs from infection by a variety of microorganisms. Expression of this gene is regulated by androgen, and the encoded protein binds to sperm and exhibits antibacterial activity against *E. coli*. This gene is found in a cluster with other beta-defensin genes on the long arm of chromosome 20. [provided by RefSeq, Nov 2014]

Protein Families:

Secreted Protein

Product images:

Coomassie blue staining of purified DEFB118 protein (Cat# [TP321558]). The protein was produced from HEK293T cells transfected with DEFB118 cDNA clone (Cat# [RC221558]) using MegaTran 2.0 (Cat# [TT210002]).