

Product datasheet for PH308244

beta Defensin 1 (DEFB1) (NM_005218) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DEFB1 MS Standard C13 and N15-labeled recombinant protein (NP_005209)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208244
Predicted MW:	7.4 kDa
Protein Sequence:	>RC208244 protein sequence Red=Cloning site Green=Tags(s) MRTSYLLLFTLCLLLSEMASGGNFLTGLGHRSDHYNCVSSGGQCLYSACPIFTKIQTGTCYRGKAKCKK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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_005209
RefSeq Size:	484
RefSeq ORF:	204
Synonyms:	BD1; DEFB-1; DEFB101; HBD1
Locus ID:	1672
UniProt ID:	P60022
Cytogenetics:	8p23.1



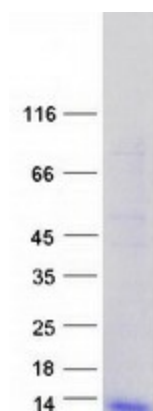
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Summary:

Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of the defensin family are highly similar in protein sequence. This gene encodes defensin, beta 1, an antimicrobial peptide implicated in the resistance of epithelial surfaces to microbial colonization. This gene maps in close proximity to defensin family member, defensin, alpha 1 and has been implicated in the pathogenesis of cystic fibrosis. [provided by RefSeq, Jul 2008]

Protein Families:

Secreted Protein

Product images:

Coomassie blue staining of purified DEFB1 protein (Cat# [TP308244]). The protein was produced from HEK293T cells transfected with DEFB1 cDNA clone (Cat# [RC208244]) using MegaTran 2.0 (Cat# [TT210002]).