

## Product datasheet for **TP321558L**

### DEFB118 (NM\_054112) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human defensin, beta 118 (DEFB118), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC221558 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MKLLLLALPMLVLLPQVIPAYSGEKKCWNRSGHCRKQCKDGEAVKDTCKNLRACCIPSNEDHRRVPATSP  
TPLSDSTPGIIDDILTVRFTTDYFEVSSKKDMVEESEAGRGTTETSLPNVHHSS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 13.4 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_473453](#)

**Locus ID:** 117285

**UniProt ID:** [Q96PH6](#), [A0A384MTK2](#)

**RefSeq Size:** 1158

**Cytogenetics:** 20q11.21



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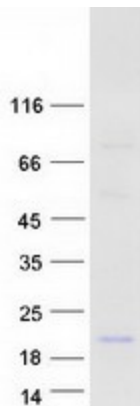
RefSeq ORF: 369

Synonyms: C20orf63; DEFB-18; ESC42; ESP13.6

**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]).