

DEFB127 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P77350
Synonyms:	Beta-defensin 127; Beta-defensin 27; DEFB-27; C20orf73
Species:	Human
Source:	HEK293
Accession:	Q9H1M4 (L21-C63)
Gene ID:	140850
Molecular Weight:	Approximately 36 kDa

PROPERTIES

AA Sequence	L K K C W N N Y V Q G H C R K I C R V N E V P E A L C E N G R Y C C L N I K E L E A C
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	DEFB127, possesses antibacterial activity. This suggests that the protein plays a role in the innate immune response, particularly in defending against bacterial pathogens. The antimicrobial properties of DEFB127 likely involve its ability to disrupt bacterial membranes or interfere with essential bacterial processes, contributing to the host's defense mechanism. Further investigation into the specific mechanisms and range of bacterial targets for DEFB127's antibacterial activity would provide a more comprehensive understanding of its role in the immune system's response to bacterial infections, potentially leading to applications in the development of novel antimicrobial strategies.
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Caution: Product has not been fully validated for medical applications. For research use only.

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