

Recombinant Human DEFB104A Protein

Catalog Number:PKSH033265



Note: Centrifuge before opening to ensure complete recovery of vial contents.

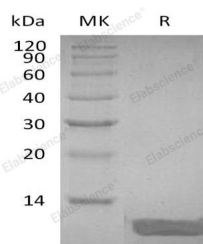
Description

Synonyms	Beta-Defensin 104;Beta-Defensin 4;BD-4;DEFB-4;hBD-4;Defensin Beta 104;DEFB104A;DEFB104;DEFB4;DEFB104B
Species	Human
Expression Host	E.coli
Sequence	Glu23-Pro72
Accession	Q8WTQ1
Calculated Molecular Weight	6.0 kDa
Observed molecular weight	9 kDa
Tag	None

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 130mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Defensins are cationic peptides. It is an important ingredient of the innate immune system. β -defensins are expressed on some leukocytes and epithelial surfaces. Four human β -Defensins have been identified to date: BD-1, BD-2, BD-3 and BD-4. β -defensins contain a six-cysteine motif, they forms three intra-molecular disulfide bonds. β -defensins are also chemoattractant towards immature dendritic cells and memory T cells. The β -defensin proteins are expressed as the C-terminal portion of precursors; they are released by proteolytic cleavage of a signal sequence.

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