



Recombinant Protein Technical Manual

Recombinant Human DEFB104A Protein

RPES3507

Product Data:

Product SKU: RPES3507

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q8WTQ1

Protein Information:

Molecular Mass: 6.0 kDa

AP Molecular Mass: 9 kDa

Tag:

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Beta-Defensin 104; Beta-Defensin 4; BD-4; DEFB-4; hBD-4; Defensin Beta 104; DEFB104A; DEFB104; DEFB4; DEFB104B

Immunogen Information:

Sequence: Glu23-Pro72

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, 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.