

Product Name: Recombinant Human DEFB4A
Catalog #: PEH0143

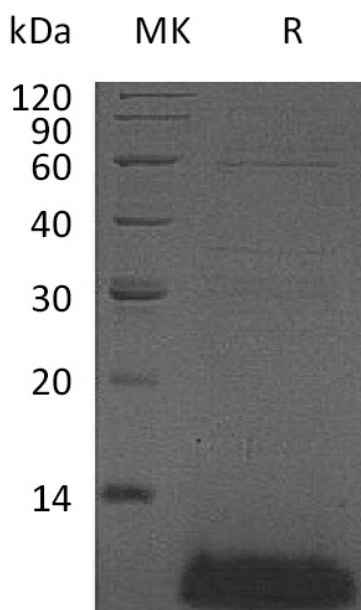


Summary

Name	B-Defensin 4A
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Beta-Defensin 4A is produced by our E.coli expression system and the target gene encoding Gly24-Pro64 is expressed.
Accession #	O15263
Host	E.coli
Species	Human
Predicted Molecular Mass	4.33 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

Beta-Defensin 4A; Beta-Defensin 2; BD-2; hBD-2; Defensin; Beta 2; Skin-Antimicrobial Peptide 1; SAP1; DEFB4A; DEFB102; DEFB2; DEFB4; DEFB4B

Background

β -Defensin 4A is a membrane-active cationic peptide that functions in inflammation and innate immune responses. There are at least 30 β -Defensins, which are distinguished from α -Defensins by the connectivity pattern of their three intermolecular disulfide bonds. Members of the Defensin family are highly similar in protein sequence. This gene encodes Defensin, DEFB4,, which has broad-spectrum antimicrobial activity and may play an important role in innate epithelial defense. They are highly expressed in skin and tonsils, and to a lesser extent in trachea, uterus, kidney, thymus, adenoid, pharynx and tongue. β -Defensin 4A has low expression in salivary gland, bone marrow, colon, stomach, polyp and larynx. No expression in small intestine. The 45 amino acid mature human BD3 shares 38% and 33% amino acid sequence identity with mouse and rat BD3, respectively.

Note

For Research Use Only , Not for Diagnostic Use.