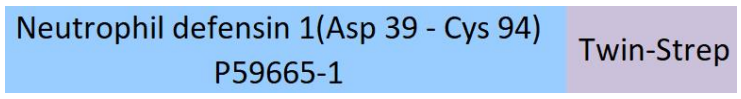
Human Neutrophil defensin 1 / DEFA1 protein, Twin-Strep Tag

Catalog # ND1-H5282

Source

Human Neutrophil defensin 1, Twin-Strep Tag(ND1-H5282) is expressed from human 293 cells (HEK293). It contains AA Asp 39 - Cys 94 (Accession # P59665-1).

Molecular Characterization



This protein carries a twin strep tag at the C-terminus

The protein has a calculated MW of 9.8 kDa. The protein migrates as 11-14 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.01 EU per μg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

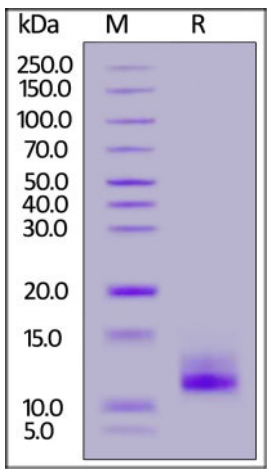
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human Neutrophil defensin 1, Twin-Strep Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Background

Human defensins are a family of small antimicrobial proteins found predominantly in leukocytes and epithelial cells that play important roles in the innate and adaptive immune defense against microbial infection. The α-defensins, human neutrophil peptides (HNPs) 1–3, are constitutively expressed in neutrophils and are the most abundant neutrophil granule proteins.

Clinical and Translational Updates

Human Neutrophil defensin 1 / DEFA1 protein, Twin-Strep Tag

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Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.