

Human alpha-Defensin 1 Recombinant Protein

Product Details

Size	20 µg
Species	Human
Expression system	E. coli
Amino acid sequence	Human alpha-Defensin 1 recombinant protein contains 30 amino acids
Molecular weight	3.4 kDa
Class	Recombinant
Type	Protein
Purity	98% by SDS-PAGE and HPLC
Endotoxin concentration	<0.1 ng/µg
Activity	ED50 = 1 - 10 ng/mL; determined by the dose-dependent chemotaxis of immature dendritic cells.
Conjugate	Unconjugated
Form	Lyophilized
Purification	sequential chromatography
Contains	no preservative
Storage conditions	-20°C

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (IHC)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Functional Assay (FN)	Assay-dependent	-
Control (Ctrl)	Assay-dependent	-

Product Specific Information

Carrier-Free

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute NP-1 in sterile, distilled water to a concentration of 0.1-1.0 mg/mL. Do not vortex. This solution can be stored at 2°C to 8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein, such as 0.1% BSA and store in working aliquots at -20°C to -80°C.

Storage: The lyophilized protein is stable at room temperature for 1 month, but should be kept at -20°C for long term storage. Working aliquots stored with a carrier protein are stable for at least 3 months at -20°C to -80°C. Avoid repeated freeze/thaw cycles.

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