

Defensin Alpha 3, Neutrophil Specific (DEFa3) Recombinant Protein | DEFa3 recombinant protein

Recombinant Defensin Alpha 3, Neutrophil Specific (DEFa3)

CATALOG #	HOST	APPLICATIONS
AAA134192	E Coli	Immunoprecipitation, Immunoprecipitation, ELISA, Western Blot, SDS-Page

PRODUCT SYNONYMS

Defensin Alpha 3; Neutrophil Specific (DEFa3); Recombinant Defensin Alpha 3; DEFa3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	The target protein is fused with N-terminal His -Tag, its sequence is listed below. MGHHHH HHSQSEF-EP LQARADEVAA APEQIAADIP EVVVS LAWDE SLAPKHPGSR KNMDCYCRIP ACIAGERRYG TCIYQGR LWA FCC
Sequence Length	94
Applicable Applications for DEFa3 recombinant protein	IP (Coimmunoprecipitation), IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Homo sapiens (Human)
Expression System	Prokaryotic expression
Residues	Pro21~Cys94
Homology	Mouse 34%, rat 33%
Tissue Specificity	Lung, spleen, pancreas.
Subcellular Location	Secreted.
Traits	Freeze-dried powder
Buffer formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Predicted isoelectric point	6.4
Predicted Molecular Mass	9.7kDa
Accurate Molecular Mass	11kDa as determined by SDS-PAGE reducing conditions.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

IMAGES

Application Data



Sequence



SDS-PAGE



NCBI AND UNIPROT INFORMATION

NCBI GI #	4885179
NCBI GeneID	1668
NCBI Accession #	NP_005208.1
NCBI GenBank Nucleotide #	NM_005217.3
UniProt Accession #	P59666; P11479; Q14125
NCBI Official Full Name	neutrophil defensin 3 preproprotein
NCBI Official Synonym Full Names	defensin, alpha 3, neutrophil-specific
NCBI Official Symbol	DEFA3
NCBI Official Synonym Symbols	HP3; DEF3; HNP3; HP-3; HNP-3
NCBI Protein Information	neutrophil defensin 3; neutrophil peptide 3; defensin 3, neutrophil-specific
UniProt Protein Name	Neutrophil defensin 3
UniProt Gene Name	DEFA3
UniProt Synonym Gene Names	DEF3; HP-3; HP3; HP-2; HP2
UniProt Entry Name	DEF3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.