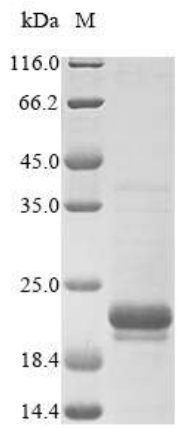


Recombinant Mouse Beta-defensin 4(Defb4)

Catalog Number: RPC22335

Product Name	Recombinant Mouse Beta-defensin 4(Defb4)
Catalog Number	RPC22335
Expression host	<i>E.coli</i>
Product Info	N-terminal 6xHis-SUMO-tagged
Storage Buffer	20 mM Tris-HCl, 0.5 M NaCl, pH 8.0, 10% glycerol
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Relevance	Exhibits antimicrobial activity against Gram-negative bacteria and Gram-positive bacteria. May act as a ligand for C-C chemokine receptor CCR6. Can bind to mouse (but not human) CCR6 and induce chemotactic activity of CCR6-expressing cells (PubMed:20068036).
AA sequence	QIINNPITCMTNGAICWGPCPTAFRQIGNCGHFKVRCCKIR

Certificate of Analysis

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Catalog Number	RPC22335	
Expression host	<i>E.coli</i>	
Product Info	N-terminal 6xHis-SUMO-tagged	
Storage Buffer	20 mM Tris-HCl, 0.5 M NaCl, pH 8.0, 10% glycerol	
Batch Number	YA03733a1g1	
Nature	Mouse Defb4-(AA 23-63)- P82019 -Full Length of Mature Protein	
Purification	Affinity purified using IMAC	
Recommended Storage	Short term	2 to 8 °C, one week from the date of receipt
	Long term	-20 to -80 °C, six months from the date of receipt
Form	Liquid	
Date of detection		
Test Items	Specifications	Results
Appearance	Clear Solution	pass
Concentration	0.1-5 mg/ml, by the Bradford Method.	0.5 mg/ml
Purity	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.	
Molecular Weight	Predicted band size: 20.6 kDa	



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Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.		
Aseptic Processing	Not done		
Endotoxin Level	Untreated		
Activity	Not tested		
Conclusion	pass		
Analyst		Date	
Corrector		Date	