

Product datasheet

Recombinant Human MRP8 protein (Tagged-His Tag)
ab219249

1 Image

Description

Product name	Recombinant Human MRP8 protein (Tagged-His Tag)	
Purity	> 90 % SDS-PAGE. ab219249 was purified using conventional chromatography techniques.	
Endotoxin level	< 1.000 Eu/µg	
Expression system	Escherichia coli	
Accession	P05109	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MGSSHHHHHH SSGLVPRGSH MGSHTMLTELE KALNSIIDVY HKYSLIKGNF HAVYRDDLKK LLETCEPQYI RKKGADVWFK ELDINTDGAV NFQEFLILVI KMGVAAHKKS HEESHKEEQK LISEEDL	
Predicted molecular weight	15 kDa including tags	
Amino acids	1 to 93	
Tags	His tag N-Terminus	
Additional sequence information	Myc-tag at C-terminus (NP_002955)	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab219249** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.32% Tris HCl, 0.58% Sodium chloride, 10% Glycerol (glycerin, glycerine)

General Info

Function

Calcium-binding protein. Has antimicrobial activity towards bacteria and fungi. Important for resistance to invasion by pathogenic bacteria. Up-regulates transcription of genes that are under the control of NF-kappa-B. Plays a role in the development of endotoxic shock in response to bacterial lipopolysaccharide (LPS) (By similarity). Promotes tubulin polymerization. Promotes phagocyte migration and infiltration of granulocytes at sites of wounding. Plays a role as pro-inflammatory mediator in acute and chronic inflammation and up-regulates the release of IL8 and cell-surface expression of ICAM1. Extracellular calprotectin binds to target cells and promotes apoptosis. Antimicrobial and proapoptotic activity is inhibited by zinc ions.

Tissue specificity

Expressed by macrophages in chronic inflammations. Also expressed in epithelial cells constitutively or induced during dermatoses.

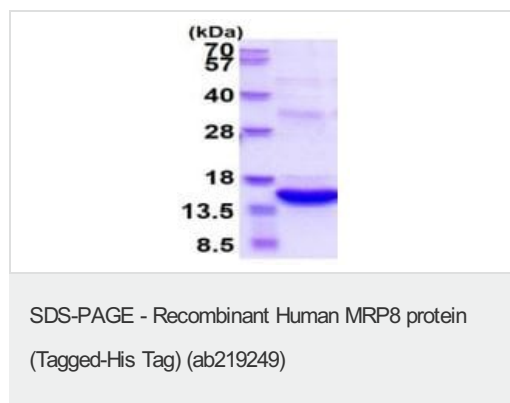
Sequence similarities

Belongs to the S-100 family.
Contains 2 EF-hand domains.

Cellular localization

Secreted. Cytoplasm. Cytoplasm > cytoskeleton. Cell membrane. Associates with tubulin filaments in activated monocytes. Targeted to the cell surface upon calcium influx. Released from blood leukocytes upon exposure to CSF2/GM-CSF, bacterial lipopolysaccharide (LPS) and during inflammatory processes. Serum levels are high in patients suffering from chronic inflammation.

Images



15% SDS-PAGE analysis of ab219249 (3µg).

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