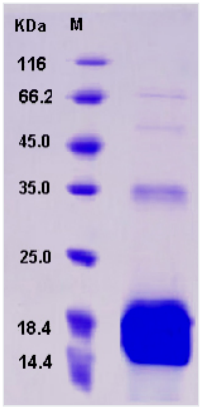
S100A9 / CAGB / p14 Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	S100A9 / CAGB / p14, Recombinant Protein
Full Product Name	Recombinant Mouse S100A9 / CAGB / p14 Protein (His tag)
Product Gene Name	S100A9 / CAGB / p14 recombinant protein
Product Synonym Names	60B8Ag, AW546964, BEE22, Cagb, GAGB, L1Ag, MRP14, p14
Host	E Coli
Form/Format	Lyophilized from sterile PBS, 1mM DTT, 20% glycerol, pH 7.5
Purity/Purification	> 95 % as determined by SDS-PAGE
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -70 degree C
Molecular Weight	13,049 Da
3D Structure	ModBase 3D Structure for P31725
Predicted N Terminal	Met
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Application Notes for S100A9 / CAGB / p14 recombinant protein	The recombinant mouse S100A9 consisting of 128 amino acids and has a calculated molecular mass of 15 kDa. rmS100A9 migrates as an approximately 16-20 KDa band in SDS-PAGE under reducing conditions.
Related Product Information for S100A9 / CAGB / p14 recombinant protein	A DNA sequence encoding the mouse S100A9 (P31725) (Aal 2-Lys 113) was expressed, with a polyhistidine tag at the N-terminus.
Other Notes	Small volumes of S100A9 / CAGB / p14 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for S100A9 / CAGB / p14 purchase	MBS2547055 is a recombinant protein targeting S100A9 / CAGB / p14. Also known as Recombinant Mouse S100A9 / CAGB / p14 Protein (His tag). Host: E Coli.



SDS-PAGE of S100A9 / CAGB / p14 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for S100A9 / CAGB / p14. It may not necessarily be applicable to this product.

NCBI GI #	529367291
NCBI GeneID	20202
NCBI Accession #	NP_001268781.1
UniProt Primary Accession #	P31725
UniProt Related Accession #	P31725
GenBank Nucleotide #	NM_001281852.1
NCBI Official Full Name	protein S100-A9
NCBI Official Synonym Full Names	S100 calcium binding protein A9 (calgranulin B)
NCBI Official Symbol	S100a9
NCBI Official Synonym Symbols	p14; Cagb; GAGB; L1Ag; BEE22; MRP14; 60B8Ag; AW546964
UniProt Protein Name	Protein S100-A9
UniProt Synonym Protein Names	Calgranulin-B; Leukocyte L1 complex heavy chain; Migration inhibitory factor-related protein 14; MRP-14; p14; S100 calcium-binding protein A9
UniProt Gene Name	S100a9
UniProt Synonym Gene Names	Cagb; Mrp14; MRP-14; p14
NCBI Protein Information	protein S100-A9
UniProt Comments for S100A9 / CAGB / p14	S100A9: a calcium-binding regulatory protein of the S-100 family expressed by macrophages in acutely inflammated tissues and in chronic inflammations. May be an inhibitor of protein kinases. Also expressed in epithelial cells constitutively or induced during dermatoses. May interact with components of the intermediate filaments in monocytes and epithelial cells. Interacts with CEACAM3 in a calcium-dependent manner. Protein type: Calcium-binding; Cell development/differentiation; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 3 F1|3 39.91 cM Cellular Component: extracellular matrix; extracellular space; nucleus Biological Process: actin cytoskeleton reorganization; astrocyte development; autophagy; caspase activation; leukocyte chemotaxis; leukocyte migration during inflammatory response; neutrophil chemotaxis; peptidyl-cysteine S-nitrosylation; positive regulation of blood coagulation; positive regulation of inflammatory response; positive regulation of peptide secretion; regulation of integrin biosynthetic process; regulation of translation
Research Articles on S100A9 / CAGB / p14	**1.** Although MRP-8/-14 expression is highly increased in experimental, these proteins do not contribute to the pathogenesis in the effector phase of epidermolysis bullosa acquisita and bullous pemphigoid.
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