

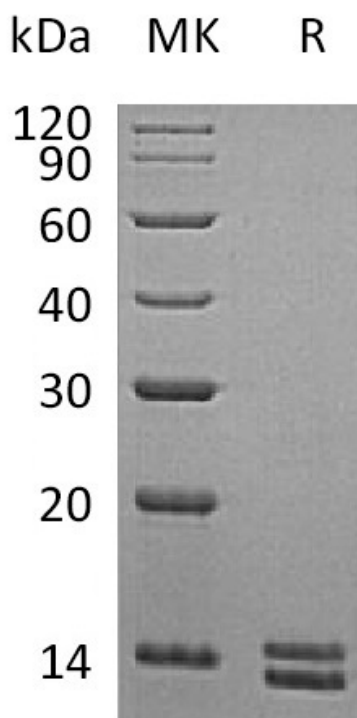
Product Name: Recombinant Human S100A8/A9 Heterodimer (C-6His)
Catalog #: PEH1460

Summary

Name	S100A8/S100A9 Heterodimer Protein/Calprotectin
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human S100 Calcium Binding Protein S100A8/S100A9 Heterodimer is produced by our E.coli expression system and the target gene encoding Met1-Glu93(S100A8)&Thr2-Pro114(S100A9) is expressed with a 6His tag at the C-terminus.
Accession #	P05109&P06702
Host	E.coli
Species	Human
Predicted Molecular Mass	11.7&13.2 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM HEPES, 10% Glycerol, 150mM NaCl, 2.5mM EDTA, pH 7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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Alternative Names

S100A8/S100A9 Heterodimer

Background

S100A8 is a member of the S100 family, EF-hand superfamily of Ca-binding proteins. It is produced by neutrophils and monocytes, and forms Ca²⁺-dependent heterodimer/heterotetramer complexes (termed calprotectin) with S100A9. Calprotectin (S100A8/A9) which has a wide plethora of intra- and extracellular functions. The intracellular functions include: facilitating leukocyte arachidonic acid trafficking and metabolism, modulation of the tubulin-dependent cytoskeleton during migration of phagocytes and activation of the neutrophilic NADPH-oxidase.

Note

For Research Use Only , Not for Diagnostic Use.