

Product datasheet for **TP726904**

Calprotectin (S100A8) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human S100 Calcium Binding Protein A8/A9 Heterodimer (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Glu93(S100A8)&Thr2-Pro114(S100A9)
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM HEPES, 10% Glycerol, 150mM NaCl, 2.5mM EDTA, pH 7.4.
Note:	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.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Locus ID:	6279
UniProt ID:	<u>P05109</u>
Synonyms:	S100A8/S100A9 Heterodimer
Summary:	S100A8 is a member of the S100 family, EF-hand superfamily of Ca-binding proteins. It is produced by neutrophils and monocytes, and forms Ca ²⁺ -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.



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