

Product datasheet for **TP724700**

Calprotectin (S100A8) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human S100 Calcium Binding Protein S100A8/S100A9 Heterodimer (C-His)
Species:	Human
Expression cDNA Clone or AA Sequence:	M1-E93 & M1-P114
Tag:	C-6His
Buffer:	Supplied as a 0.2 um filtered solution of 2umM HEPES, 15umM NaCl, 10% Glycerol, 2.umM EDTA, pH7.4.
Note:	Recombinant Human S100A8/S100A9 Heterodimer is produced by E.coli. The target gene encoding M1-E93 & M1-P114 is expressed with a 6His tag at the C terminus.
Stability:	12 months from date of despatch
Locus ID:	6279
UniProt ID:	P05109
Summary:	S100A8 and S100A9 are pro-inflammatory members of the S100 family of secreted calcium binding proteins. They are produced by neutrophils and monocytes, and forms Ca ²⁺ -dependent heterodimer/heterotetramer complexes (known as calprotectin). Calprotectin (S100A8/A9) is upregulated at sites of inflammation (e.g. psoriasis, rheumatoid arthritis, cardiac ischemia). It is involved in 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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