

Native Human Calprotectin Protein

Cat. No. Calprotectin-12HFL **Lot. No.** (See product label)

SPECIFICATION

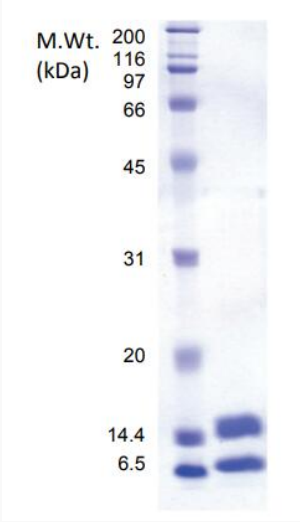
Product Overview	Heterotetramer containing two 8 kDa and two 14 kDa subunits
Species	Human
Source	Neutrophils
Description	The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in the inhibition of casein kinase and as a cytokine. Altered expression of this protein is associated with the disease cystic fibrosis. Multiple transcript variants encoding different isoforms have been found for this gene.
Tag	Non
Purity	> 90% by SDS-polyacrylamide electrophoresis, purified using conventional chromatography procedures
Applications	Faecal calprotectin determination has been shown to be useful in the diagnosis and management of inflammatory bowel disease.

GENE INFORMATION

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Gene Name	S100A8 S100 calcium binding protein A8 [Homo sapiens (human)]
Official Symbol	S100A8
Synonyms	S100A8; S100 calcium binding protein A8; P8; MIF; NIF; CAGA; CFAG; CGLA; L1Ag; MRP8; CP-10; MA387; 60B8AG; S100-A8; protein S100-A8; calgranulin A; calprotectin L1L subunit; cystic fibrosis antigen; leukocyte L1 complex light chain; migration inhibitory factor-related protein 8; urinary stone protein band A
Gene ID	6279
mRNA Refseq	NM_002964
Protein Refseq	NP_002955
MIM	123885
UniProt ID	P05109
SDS-polyacrylamide electrophoresis of Calprotectin antigen showing two subunits of m.wt. 8 and 14 kDa	

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