

Recombinant Human S100A8

Catalog#:P00431 Derived from *E.coli*

DESCRIPTION	<p>Recombinant Human S100 Calcium Binding Protein A8 is produced by our <i>E.coli</i> expression system and the target gene encoding Met1-Glu93 is expressed with a 6His tag at the C-terminus.</p> <p>Accession#: P05109</p> <p>Known as: Protein S100-A8; S100A8; Calgranulin-A; Cystic fibrosis antigen; Leukocyte L1 complex light chain; MRP-8</p>
FORMULATION	Supplied as a 0.2 μm filtered solution of 20mM HEPES, 150mM NaCl, 2.5mM EDTA, 10% Glycerol, pH 7.0.
SHIPPING	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
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.
QUALITY CONTROL	<p>Mol Mass: 11.7kDa AP Mol Mass: 13kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.</p>
BACKGROUND	Protein S100-A8 (also MRP8 and calgranulin A) is a calcium- and zinc-binding protein. It plays a prominent role in the regulation of inflammatory processes and immune response. S100A8 can induce neutrophil chemotaxis and adhesion. Its role as an oxidant scavenger has a protective role in preventing exaggerated tissue damage by scavenging oxidants. It can act as a potent amplifier of inflammation in autoimmunity as well as in cancer development and tumor spread.

