

## 32-7651: Recombinant Human S100 Calcium Binding Protein A8/A9 Heterodimer (C-6His)

**Gene :** S100A8

**Gene ID :** 6279

**Uniprot ID :** P05109

### Description

Source: E.coli.

MW :11.7&13.2kD.

Recombinant Human 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. 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<sup>2+</sup>-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.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Supplied as a 0.2 µm filtered solution of 20mM HEPES,10%Glycerol,150mM NaCl,2.5mM EDTA,pH 7.4.

**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

**Amino Acid :** MLTELEKALNSIIDVYHKYSLIKGNFHAVYRDDLKLLTECPQYIRKKGADVWFKELDINTDGAVNFQEFLLILVIK  
MGVAAHKKSHKEESHKEHHHHHH&TCKMSQLERNIETIINTFHQYSVKLGHPDTLNQGEFKELVRKDLQNFLKK  
ENKNEKVIEHIMEDLDTNADKQLSFEEFIMLMARLTWASHEKMHEGDEGPGHHHKPGLGEGTP

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.