

Active Recombinant Human S100B protein(Ser2-Glu92), hFc-tagged

Cat. No. S100B-68H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human S100B (NP_006263.1) (Ser 2-Glu 92) was expressed in HEK293 with the fused Fc region of Human IgG1 at the N-terminus.
Species	Human
Source	HEK293
ProteinLength	Ser2-Glu92
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its ability to bind mouse S100A1 in a functional ELISA. 2. Measured by its ability to bind TP53 in a functional ELISA. 3. Immobilized recombinant human Fc-S100B at 10 µg/mL (100 µl/well) can bind biotinylated human S100A1 with a linear range of 15.6-250 ng/mL.
Molecular Mass	The recombinant human Fc/S100B is a disulfide-linked homodimeric protein. The reduced monomer consists of 328 amino acids and has a predicted molecular mass of 37.2 kDa. As a result of glycosylation, the apparent molecular mass of rhFc/S100B monomer is approximately 40 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	S100B S100 calcium binding protein B [Homo sapiens]
Official Symbol	S100B
Synonyms	S100B; S100 calcium binding protein B; S100 calcium binding protein, beta (neural); protein S100-B; S100beta; S-100 protein subunit beta; S-100 calcium-binding protein, beta chain; S100 calcium-binding protein, beta (neural); NEF; S100; S100-B;
Gene ID	6285
mRNA Refseq	NM_006272
Protein Refseq	NP_006263
MIM	176990
UniProt ID	P04271

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