

S100B recombinant protein

S100B protein

CATALOG # AAA224744	HOST Recombinant	APPLICATIONS ELISA
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PRODUCT SYNONYMS

S100B; S100B protein; A1850290 protein; Bpb protein; Protein S100-B protein; NEF protein; S 100 protein beta chain protein; S 100 protein beta subunit protein; S100 protein; S100 calcium binding protein B protein; S100 calcium binding protein beta (neural) protein; S100 calcium binding protein beta chain protein; S100 protein beta chain protein; S100beta; S100B recombinant protein

PRODUCT SPECIFICATIONS

Host	Recombinant
Purity/Purification	> 95% pure by SDS-PAGE.
Form/Format	Liquid in 100mM PBS, pH 7.4 with 50% glycerol.
Concentration	2.5 mg/mL (varies by lot)
Sequence Length	92
Applicable Applications for S100B recombinant protein	LETIA (Latex Enhanced Turbidimetric Immunoassay), ELISA
Species	Human
Biohazard	Use standard laboratory precautions when handling this material.
Biological Significance	S100B 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. This protein functions in neurite extension, proliferation of melanoma cells, stimulation of Ca ²⁺ fluxes, inhibition of PKC-mediated phosphorylation, astrocytosis and axonal proliferation, and inhibition of microtubule assembly. Recombinant mouse S100B protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Preparation and Storage	Shipping: Blue ice. Upon receipt store at -20°C to -80°C. Avoid repeat freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for S100B recombinant protein	Recombinant S100B protein
Product Categories/Family for S100B recombinant protein	Cell Cycle & Cell Death

NCBI AND UNIPROT INFORMATION

NCBI GI #	49457242
NCBI GeneID	6285
UniProt Accession #	P04271 ; D3DSN6
NCBI Official Full Name	S100B

NCBI Official Synonym Full Names	S100 calcium binding protein B
NCBI Official Symbol	S100B
NCBI Official Synonym Symbols	NEF; S100; S100-B; S100beta
NCBI Protein Information	protein S100-B
UniProt Protein Name	Protein S100-B
UniProt Gene Name	S100B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/s100b-recombinant-protein-recombinant-letia-latex-enhanced-turbidimetric-immunoassay-elisa/224744>