

## Recombinant Human S100B Protein

Cat. No. S100B-0052H    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human S100B Protein without tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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; however, this gene is located at 21q22.3. This protein may function in Neurite extension, proliferation of melanoma cells, stimulation of Ca<sup>2+</sup> fluxes, inhibition of PKC-mediated phosphorylation, astrocytosis and axonal proliferation, and inhibition of microtubule assembly. Chromosomal rearrangements and altered expression of this gene have been implicated in several neurological, neoplastic, and other types of diseases, including Alzheimer's disease, Down's syndrome, epilepsy, amyotrophic lateral sclerosis, melanoma, and type I diabetes.</p>
<b>Applications</b>	ELISA, CLIA, CG
<b>Notes</b>	For research use only, not for use in diagnostic procedure.
<b>Storage</b>	Short term (up to 7 days) store at 2–8 centigrade. Long term, store at - 20 centigrade. Avoid multiple freeze/thaw cycles.

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**Storage Buffer** Supplied as a 0.2 µm filtered solution of PBS, pH7.4

## GENE INFORMATION

**Gene Name** S100B S100 calcium binding protein B [ Homo sapiens (human) ]

**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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