

Recombinant Full Length Human S100B protein

Cat. No. S100B-34H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human S100B was expressed in Yeast and purified by using conventional chromatography techniques.
Species	Human
Source	Yeast
ProteinLength	1-92 a.a.
Description	S100B also known as protein S100-B. S100B is a protein of the S100 protein family. S100 proteins comprise a multigene family of EF-hand calcium binding proteins that engage in multiple functions in response to cellular stress. S100B protein has been implicated in oligodendrocyte progenitor cell (OPC) regeneration in response to demyelinating insult. Also, S100B and other members of S100 proteins are specifically interact with PP5-TPR and inhibited the PP5-Hsp90 interaction.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol
Molecular Mass	10.7kDa (92aa)
AA Sequence	MSELEKAMVA LIDVFHQYSG REGDKHKLKK SELKELINNE LSHFLEEIKE QEVVDKVMET LDNDGDGECD FQEFMAFVAM VTTACHEFFEHE
Purity	>95% by SDS - PAGE

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Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	S100B S100 calcium binding protein B [Homo sapiens]
Official Symbol	S100B
Synonyms	S100B; protein S100-B; S100beta; NEF; S100; S100-B
Gene ID	6285
mRNA Refseq	NM_006272
Protein Refseq	NP_006263
MIM	176990
UniProt ID	P04271
Chromosome Location	21q22.3
Pathway	Activated TLR4 signalling, organism-specific biosystem; Advanced glycosylation endproduct receptor signaling, organism-specific biosystem; Cytosolic sensors of pathogen-associated DNA, organism-specific biosystem; DAI mediated induction of type I IFNs, organism-specific biosystem; Immune System, organism-specific

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biosystem; Innate Immune System, organism-specific biosystem; MyD88 cascade initiated on plasma membrane, organism-specific biosystem;

Function

RAGE receptor binding; S100 beta binding; calcium ion binding; calcium-dependent protein binding; identical protein binding; protein binding; protein homodimerization activity; protein homodimerization activity; tau protein binding; zinc ion binding;

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