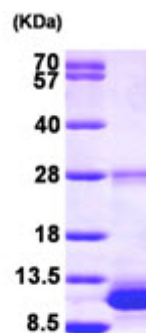


AR09565PU-N

Human S100B (1-92, His-tag) - Purified

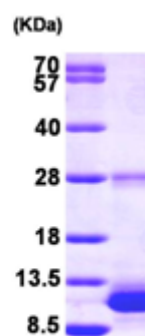
Alternate names:	Astrocyte Marker, Protein S100-B, S-100 protein beta chain, S-100 protein subunit beta, S100 beta, S100 calcium-binding protein B
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	S100B is a member of the S100 family of proteins containing 2 EF-hand 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 function 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.
Uniprot ID:	P04271
NCBI:	NP_006263
GeneID:	6285
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 1 mM DTT, 10% glycerol
Description:	Recombinant human S100B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MSELEKAMVA LIDVFHQYSG REGDKHKLKK SELKELINNE LSHFLEEIKE QEVVDKVMET LDNDGDGECD FQEFMAFVAM VTTACHEFFE HE Molecular weight: 12.8 kDa (112aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	van Dieck J., et al. (2010) Oncogene. 29(14):2024-35. Ayilavarapu S., et al. (2010) J Immunol. 184(3):1507-15.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human S100B, 1-92 aa, His-tagged



15% SDS-PAGE (3ug)