

S100-B Recombinant Protein | S100B recombinant protein

Recombinant Human Protein S100-B

CATALOG #
AAA113809

HOST
E Coli

PRODUCT SYNONYMS

S100-B; Recombinant Human Protein S100-B; S-100 protein beta chain; S-100 protein subunit beta; S100 calcium-binding protein B; S100B recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Liquid containing glycerol
Sequence Positions	2-92; Full length;
Sequence	SELEKAMVAL IDVFHQYSGR EGDKHKLKKS ELKELINNEL SHFLEEIQEQ EVVDKVMETL DNDGDGECDF QEFMAFVAMV TTACHEFFEHE
Sequence Length	92
Product Note	Applications are user defined. Product is developed and quality control tested in house, data or additional information may be provided upon request. The researcher needs to establish and confirm the suitability of the product for their application.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for S100B recombinant protein	Weakly binds calcium but binds zinc very tightly-distinct binding sites with different affinities exist for both ions on each monomer. Physiological concentrations of potassium ion antagonize the binding of both divalent cations, especially affecting high-affinity calcium-binding sites. Binds to and initiates the activation of STK38 by releasing autoinhibitory intramolecular interactions within the kinase. Interaction with AGER after myocardial infarction may play a role in myocyte apoptosis by activating ERK1/2 and p53/TP53 signaling. Could assist ATAD3A cytoplasmic processing, preventing aggregation and favoring mitochondrial localization. May mediate calcium-dependent regulation on many physiological processes by interacting with other proteins, such as TPR-containing proteins, and modulating their activity.
Product Categories/Family for S100B recombinant protein	Neuroscience; Raw Materials Assay Development
References	Cloning and expression of the human S100 beta gene.Allore R.J., Friend W.C., O'Hanlon D., Neilson K.M., Baupal R., Dunn R.J., Marks A.J. Biol. Chem. 265:15537-15543(1990)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5454034
NCBI GeneID	6285
NCBI Accession #	NP_006263.1
NCBI GenBank Nucleotide #	NM_006272.2
UniProt Accession #	P04271; D3DSN6
Molecular Weight	14.7kD
NCBI Official Full Name	protein S100-B
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
UniProt Entry Name	S100B_HUMAN

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-e-coli/113809>