

S100A6 recombinant protein

S100A6, 1-89aa, Mouse, His tag, E Coli

CATALOG # AAA11807	HOST E Coli	APPLICATIONS SDS-Page
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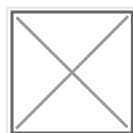
PRODUCT SYNONYMS

S100A6; 1-89aa; Mouse; His tag; E Coli; S100 calcium binding protein A6 (calcyclin); 2A9; 5B10; Cacy; CALCYCLIN; PRA; S100A6 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 100mM NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MACPLDQAIG LLVAIFHKYS GKEGDKHTLS KKEKELIQK ELTIGSKLQD AEIARLMDDL DRNKDQEVNF QEYVAFLGAL ALIYNEALK
Sequence Length	89
Applicable Applications for S100A6 recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	1-89aa
Preparation and Storage	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3 ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for S100A6 recombinant protein	S100 calcium binding protein A6 (S100A6) belongs to the S100 family. S100 family is containing 2 EF-hand calcium-binding motifs. S100 proteins regulate a number of cellular processes such as cell cycle progressions and differentiation. S100A6 plays a role in the reorganization of the actin cytoskeleton and in cell mobility. This is a specific target of S-100B protein in vivo. The binding of S100A6 to S100B is stabilized by S100B-bound calcium and zinc. It associates with both Annexin XI and CacyBP (Calcyclin-binding protein). It functions to activate several processes along the calcium signal transduction pathway including the regulation of cell growth, proliferation, secretion and exocytosis. Recombinant mouse S100A6 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for S100A6 recombinant protein	Signal Transduction

References	Filipek A., et al. (1991) Eur. J. Biochem. 195:795-800; Yamashita, N., et al. (1999) J. Comp. Neurol. 404:235-257.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6755392
NCBI GeneID	20200
NCBI Accession #	NP_035443
NCBI GenBank Nucleotide #	NM_011313.2
UniProt Accession #	P14069
Molecular Weight	12.2kDa (109aa), confirmed by MALDI-TOF
NCBI Official Full Name	protein S100-A6
NCBI Official Synonym Full Names	S100 calcium binding protein A6 (calcyclin)
NCBI Official Symbol	S100a6
NCBI Official Synonym Symbols	2A9; PRA; 5B10; Cacy; CALCYCLIN
NCBI Protein Information	protein S100-A6
UniProt Protein Name	Protein S100-A6
UniProt Gene Name	S100a6
UniProt Synonym Gene Names	Cacy

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://stage.aaabiotech.com/s100a6-recombinant-protein-e-coli-sds-page/11807>