

Recombinant Human S100A10, His-tagged

Cat. No. S100A10-434H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human S100A10 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-97aa
Description	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. This protein may function in exocytosis and endocytosis.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 40% glycerol, 0.1M NaCl, 0.1mM PMSF
Molecular Mass	13.3 kDa (117aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MPSQMEHAME TMMFTFHKFA GDKGYLTKE LRVLMEKEFP GFLENQKDPL AVDKIMKDLQ QCRDGKVGFSFFSLIAGLT IACNDYFVVH MKQKGKK

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Purity	> 90% by SDS - PAGE
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	S100A10 S100 calcium binding protein A10 [Homo sapiens (human)]
Official Symbol	S100A10
Synonyms	S100A10; S100 calcium binding protein A10; 42C; P11; p10; GP11; ANX2L; CAL1L; CLP11; Ca[1]; ANX2LG; MGC111133; OTTHUMP00000015270; annexin II ligand, calpactin I, light polypeptide; S100 calcium binding protein A10 (annexin II ligand, calpactin I, light polypeptide (p11)); S100 alcium-binding protein A10 (annexin II ligand, calpactin I, light polypeptide (p11)); Protein S100-A10; S100 calcium-binding protein A10; Calpactin-1 light chain; Calpactin I light chain; p10 protein; Cellular ligand of annexin II; OTTHUMP00000015269; p11
Gene ID	6281
mRNA Refseq	NM_002966
Protein Refseq	NP_002957
MIM	114085
UniProt ID	P60903

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Chromosome Location	1q21
Pathway	Dissolution of Fibrin Clot; Orphan transporters; Transmembrane transport of small molecules
Function	calcium ion binding; ion channel binding; protein homodimerization activity

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