

AR09898PU-L

Human S100A10 (1-97, His-tag) - Purified

Alternate names:

ANX2LG, CAL1L, CLP11, Calpactin-1 light chain, Cellular ligand of annexin II, S100 calcium-binding protein A10, S100-A10

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

S100 calcium binding protein A10, also known S100A10, is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and 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. S100A10 is primarily found in mast cells as heterotetrameric complexes that are present intracellularly at the plasma membrane or on the extracellular cell surface. Extracellular S100A10 is a key plasminogen receptor that plays an important role in cellular plasmin production and cellular invasiveness.

Uniprot ID:

[P60903](#)

NCBI:

[NP_002957](#)

GenelD:

[6281](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 40% glycerol, 0.1M NaCl, 0.1mM PMSF

Description:

Recombinant human S100A10 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MPSQMEHAME TMMFTFHKFA GDKGYLTKEG LRVLMEKEFP
GFLENQKDPL AVDKIMKDLD QCRDGVGVGFQ SFFSLIAGLT IACNDYFVVH MKQKGGK

Molecular weight: 13.3 kDa (117aa) 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.

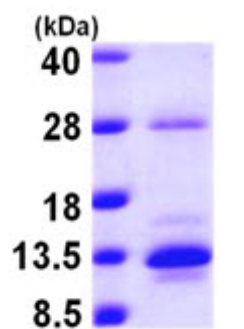
General Readings:

El Rifai W., et al. (2000) Cancer Res. 62:6823-6826.

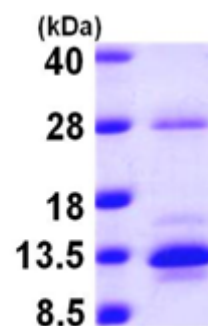
Gattaz W F., et al. (2000) Schizo Res. 43:91-5.

Pictures:

Recombinant human S100A10, 1-97 aa,
His-tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)