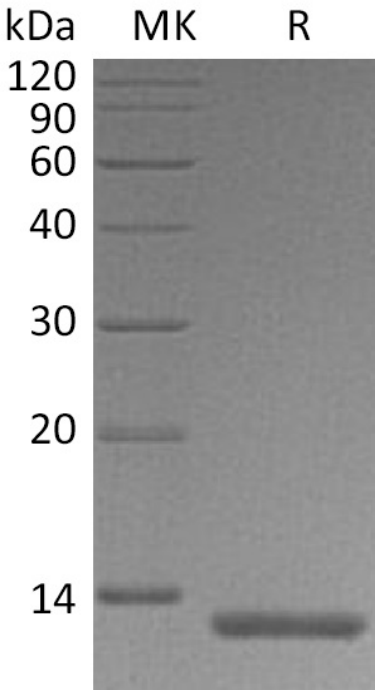
Product Name: Recombinant Human S100A4 (C-6His)
Catalog #: PEH1455

Summary

Name	S100A4
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Protein S100-A4 is produced by our E.coli expression system and the target gene encoding Met1-Lys101 is expressed with a 6His tag at the C-terminus.
Accession #	P26447
Host	E.coli
Species	Human
Predicted Molecular Mass	12.6 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 6% Sucrose, 4% Mannitol, 50mM NaCl, 0.05% Tween 80, pH 7.0.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

Product Name: Recombinant Human S100A4 (C-6His)
Catalog #: PEH1455



Alternative Names

Protein S100-A4; Calvasculin; Metastasin; Placental calcium-binding protein; Protein Mts1; S100 calcium-binding protein A4; S100A4; CAPL; MTS1

Background

S100A4 is a member of the S100 family of proteins. The S100 family is further classified as a member of the EF-hand superfamily of Ca++-binding proteins. These participate in both calcium-dependent and calcium-independent protein-protein interactions. The hallmark of this superfamily is the EF-hand motif that consists of a Ca++-binding site flanked by two α-helices (helix E and helix F) that were originally identified in a right-handed model of carp muscle calcium-binding protein. Human S100A4 is 101 amino acids (aa) in length. It contains two EF hand domains, one between aa 12-47, and a second between aa 50-85. S100A4 activity has been associated with cell transformation. It seems likely this is either coincidental, or a consequence, rather than a cause of transformation.

Note

For Research Use Only , Not for Diagnostic Use.