PRODUCT INFORMATION

Target	S100A4
Synonyms	18A2;42A;CAPL;FSP1;MTS1;P9KA;PEL98
Description	Recombinant Human S100A4 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P26447
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	S100A4(Ala2-Lys101) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 37.7 kDa after removal of the signal peptide. The apparent molecular mass of S100A4-hFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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 motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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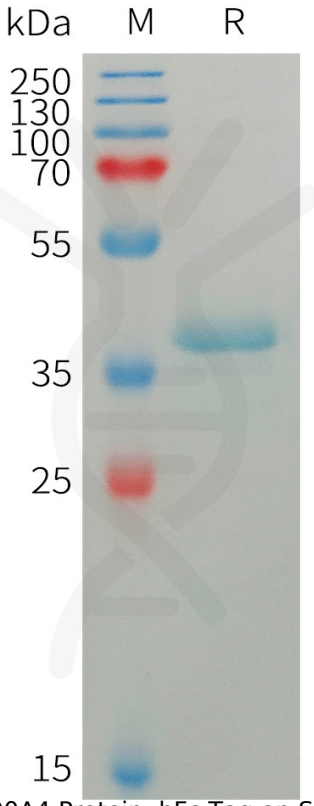


Figure 1. Human S100A4 Protein, hFc Tag on SDS-PAGE under reducing condition.

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