

# Recombinant Human S100A15 Protein (rHuS100A15)

## PrimeGene Technical DataSheet

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<b>Catalog Number:</b>	610-02
<b>Source:</b>	<i>Escherichia coli</i>
<b>Molecular Weight:</b>	Approximately 11.31 kDa, a single non-glycosylated polypeptide chain containing 101 amino acids.
<b>Size:</b>	10µg/ 100µg/ 500µg/ 1mg
<b>AA Sequence:</b>	MSNTQAERSI IGMIDMFHKY TGRDGKIEKP SLLTMMKENF PNFLSACDKK GIHYLATVFE KKDKNEDKKI DFSEFLSLLG DIAADYHKQS HGAAPCSGGS Q
<b>Purity:</b>	≥ 90% by SDS-PAGE analysis.
<b>Biological Activity:</b>	Test in Process.
<b>Physical Appearance:</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered concentrated solution in 20mM Tris, 1mM TCEP, pH8.00.
<b>Endotoxin:</b>	Less than 1 EU/µg of rHuS100A15 as determined by LAL method.
<b>Reconstitution:</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
<b>Shipping:</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage:</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"><li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li><li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li><li>● 3 months, -20 to -70 °C under sterile conditions after reconstitution.</li></ul>
<b>Usage:</b>	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. <b>NOT FOR HUMAN USE.</b>

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### ***Human S100A15***

The S100A15 protein (synonyms S100A7A, S100A7L1), a member of the S100 protein family characterized by its EF-hand motif and calcium-binding ability. It is reported that Fourteen S100 protein genes are located within the epidermal differentiation complex on human chromosome 1q21 and 13 S100 proteins are expressed in normal and/or diseased epidermis. S100 proteins exist in cells as anti-parallel hetero- and homodimers and upon calcium binding interact with target proteins to regulate cell function. S100 proteins are of interest as mediators of calcium-associated signal transduction and undergo changes in subcellular distribution in response to extracellular stimuli. The S100A15 protein May be involved in epidermal differentiation and inflammation and might therefore be important for the pathogenesis of psoriasis and other diseases.