

Recombinant Human S100A15 Protein

#R00572

Size: 10 µg/100 µg/500 µg

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.CHAR(10)
 - 12 months from date of receipt, -20 to -70 °C as supplied.CHAR(10)
 -1 month, 2 to 8 °C under sterile conditions after reconstitution.CHAR(10)
 - 3 months, -20 to -70 °C under sterile conditions after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

Background

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.

AA Sequence

MSNTQAERSIIGMIDMFHKYTGRDGKIEKPSLLTMMK
 ENFPNFLSACDKKGIHYLATVFEKKDKNEDKKIDFSEF
 LSLLGDIADYHKQSHGAAPCSGGSQ

Reconstitution

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.

Product Specification

Accession	Q86SG5
GeneID	338324
Species	Human
Source	Escherichia coli.
Molecular Weight	Approximately 11.31 kDa, a single non-glycosylated polypeptide chain containing 101 amino acids.
Purity	≥90% by SDS-PAGE analysis.
Biological Activity	Test in Process.
Physical Appearance	Sterile Filtered White Lyophilized (freeze-dried) powder.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20mM Tris, 1mM TCEP, pH8.00.
Endotoxin	Less than 1 EU/µg of rHuS100A15 as determined by

Shipping

LAL method.

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
