



Recombinant Protein Technical Manual

Recombinant Mouse S100A15/S100A7A Protein

RPES2712

Product Data:

Product SKU: RPES2712

Size: 10µg

Species: Mouse

Expression host: E. coli

Uniprot: Q6S5I3

Protein Information:

Molecular Mass: 12.9 kDa

AP Molecular Mass: 12 kDa

Tag:

Bio-activity:

Purity: > 95 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: S100 calcium-binding protein A15A; Protein S100-A15A; Protein S100-A7A; S100 calcium-binding protein A7A; S100a15a

Immunogen Information:

Sequence: Met1-Tyr108

Background:

Members of the S100 protein family are involved in calcium- or zinc-dependent cellular functions and regulate immune-mechanisms, cell proliferation and differentiation. Some S100 members have been established as tumor markers because they are dysregulated during carcinogenesis. Psoriasin (S100A7) and koebnerisin (S100A15) are highly homologous proteins that have been first described in psoriasis, which is characterized by disturbed epidermal maturation and chronic inflammation. Several studies showed that the coexpression of the hS100A7 and hS100A15 in psoriasis suggests that both proteins participate in keratinocyte maturation, proliferation and/or skin inflammation.