



Recombinant Protein Technical Manual

Recombinant Mouse S100A15/S100A7A Protein (His & MBP Tag)
RPES3733

Product Data:

Product SKU: RPES3733

Size: 20µg

Species: Mouse

Expression host: E. coli

Uniprot: Q6S5I3

Protein Information:

Molecular Mass: 56.5 kDa

AP Molecular Mass: 50 kDa

Tag: N-His & MBP

Bio-activity:

Purity: > 90 % as determined by SDS-PAGE

Endotoxin: Please contact us for more information.

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 sterile PBS, pH 7.5

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

Application:

Synonyms: AY465109;Gm1020;S100a15;S100a15a;S100a17l1;S100A7f;S100A7L1

Immunogen Information:

Sequence: Met 1-Tyr 108

Background:

Koebnerisin is also known as protein S100-A7A (S100A7A), S100 calcium-binding protein A7-like 1 (S100A7L1) or S100 calcium-binding protein A15 (S100A15). Human S100A7A / S100A15 is a novel member of the S100 family of EF-hand calcium-binding proteins and was recently identified in psoriasis, where it is significantly upregulated in lesional skin. S100A7 is expressed by both normal cultured and malignant keratinocytes and malignant breast epithelial cells within ductal carcinoma in situ, suggesting an association with abnormal pathways of differentiation. S100A7 plays a role in the pathogenesis of inflammatory skin disease, as a chemotactic factor for hematopoietic cells. It also plays a role in early stages of breast tumor progression in association with the development of the invasive phenotype. The association of the 11.2 kDa S100A7A / S100A15 with psoriasis suggests that it contributes to the pathogenesis of the disease and could provide a molecular target for therapy.