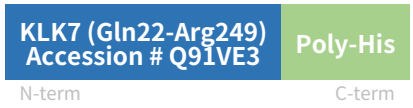
Rev06
Update: Aug,20,2025

DATASHEET

KLK7, His, Mouse

Cat. No.: Z03553

Product Introduction

Species	Mouse
Protein Construction	
Purity	> 90% as analyzed by SDS-PAGE
Endotoxin Level	< 1 EU/μg of protein by gel clotting method
Expression System	CHO
Apparent Molecular Weight	24.0-28.6 kDa, on SDS-PAGE under reducing conditions.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH_2O or PBS up to 100 μg/ml.
Storage & Stability	Upon receiving, this product remains stable for 6 months at lower than -70°C. Upon reconstitution, the product should be stable for 1 week at 4°C or for 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Background

Target Background : Kallikrein-related peptidase 7 (KLK7) is a serine protease and was initially purified from the epidermis and characterised as stratum corneum chymotryptic enzyme (SCCE). It was later identified as the seventh member of the human kallikrein family. KLK7 is secreted as an inactive zymogen in the stratum granulosum layer of the epidermis and may be activated by KLK5 or matriptase. Once active, KLK7 is able to cleave desmocollin and corneodesmosin, indicating a role for KLK7 in maintaining skin homeostasis.

Synonyms : Serine protease 6; Prss6; Scce; Thymopsin

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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