Recombinant Mouse KRT7 Protein (His Tag)

Catalog Number: PDEM100221

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

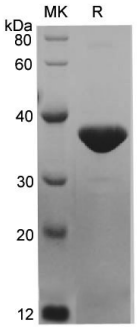
Description

Species	Mouse
Source	E.coli-derived Mouse KRT7 protein Gln80-Thr375, with an N-terminal His
Mol_Mass	34.1 kDa
Accession	Q9DCV7-1
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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 in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



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Background

Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells,which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins,including K9–K23,and the hair keratins Ha1–Ha8. Type II keratins are the basic or neutral courterparts to the acidic type I keratins, including K1–K8,and the hair keratins,Hb1–Hb6. KRT7,also named as cytokeratin 7,is one member of type II basic cytokeratin. It is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels,and their neoplasms. KRT7 is marker of epithelial tissues,but not present in carcinomas of stratified squamous cell origin.This antibody is specifically against KRT7.