

Recombinant Mouse KRT7 Protein (His Tag)

Catalog No. PKSM041386

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

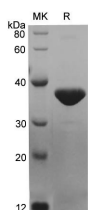
Description

Synonyms	CK 7, CK-7, CK7, Cytokeratin 7, Cytokeratin-7, D15Wsu77e, K2C7, K2C7, K7, Keratin 7, Keratin 7, type II, Keratin type II cytoskeletal 7, Keratin, 55K type II cytoskeletal, Keratin, simple epithelial, Keratin, simple epithelial type I, K7, Keratin, type II cytoskeletal 7, Keratin-7, Krt2-7, KRT7, MGC11625, MGC129731, MGC3625, Sarcolectin, SCL, Type II mesothelial keratin K7, Type-II keratin Kb7
Species	Mouse
Expression Host	E.coli
Sequence	Gln80-Thr375
Accession	Q9DCV7-1
Calculated Molecular Weight	34.1 kDa
Observed molecular weight	36.4 kDa
Tag	N-His
Bioactivity	Testing in progress

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, 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 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



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For Research Use Only

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 counterparts 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.

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