

## Recombinant Human KRT7 Protein (His Tag)

Catalog No. PKSH033825

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

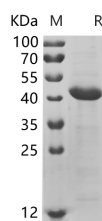
### Description

<b>Synonyms</b>	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
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Glu91-Asp469
<b>Accession</b>	P08729-1
<b>Calculated Molecular Weight</b>	42 kDa
<b>Observed molecular weight</b>	44.3 kDa
<b>Tag</b>	N-His
<b>Bioactivity</b>	Testing in progress

### Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	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.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 90 % as determined by reducing SDS-PAGE.

### 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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