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## Product Data Sheet

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Product Name: KRT20 Human

Cat. No.: GP23777

Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Keratin type I cytoskeletal 20; Cytokeratin-20; CK-20; Keratin-20; K20; Protein IT; KRT20; CD20; CK20; KRT21; MGC35423.		
Solubility	It is recommended to reconstitute the lyophilized KRT20 in sterile 18MΩ-cm H <sub>2</sub> O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The protein (1mg/1ml) was lyophilized after from a sterile solution containing 30mM Tris-HCL pH-8, 9.5M urea, 2mM DDT, 2mM EDTA and 10mM methylammonium chloride.		

### Introduction

KRT20 is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This cytokeratin is a major cellular protein of mature enterocytes and goblet cells and is specifically expressed in the gastric and intestinal mucosa. The type I cytokeratin genes are clustered in a region of chromosome 17q12-q21.

### Stability

Lyophilized KRT20 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution KRT20 should be stored at 4°C between 2-7 days and for future use below -18°C .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

### Background

Cytokeratin 20 Human Recombinant produced in E.Coli is a single,non-glycosylated

**Caution: Product has not been fully validated for medical applications. For research use only.**

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polypeptide chain having a molecular mass of 48,553 Dalton. The KRT20 is purified by proprietary chromatographic techniques.

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