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## Product Data Sheet

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Product Name: KRT20 Human, His  
 Cat. No.: GP23778  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Keratin; type I cytoskeletal 20; CD20; CK-20; CK20; K20; KRT21; Keratin; Cytokeratin-20; Keratin-20; Protein IT; KRT20.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMDFSRRS FHRSLSSSLQ APVVSTVGMQ RLGTTPSVYG GAGGRGIRIS NSRHTVNYGS DLTGGGDLFV GNEKMAMQNL NDRLASYLEK VRTLEQSNSK LEVQIKQWYE TNAPRAGR DY SAYYRQIEEL RSQIKDAQLQ NARCVLQIDN AKLAAEDFRL KYETERGIRL TVEADLQGLN KVFDDLTLHK TDLEIQIEEL NKDLALLKKE HQEEVDGLHK HLGNTVNVEV DAAPGLNLGV IMNEMRQKYE VMAQKNLQEA KEQFERQTAV LQQQVTVNTE ELKGTEVQLT ELRRTSQSLE IELQSHLSMK ESLEHTLEET KARYSSQLAN LQSLSSLEA QLMQIRSNME RQNNYHILL DIKTRLEQEI ATYRRLLEGE DVKTTEYQLS TLEERDIKKT RKIKTVVQEV VDGKVVSSSEV KEVEENI.		
Formulation	KRT20 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.4M Urea and 10% glycerol.		

### Introduction

Recombinant Human Cytokeratin 20 His Tag (KRT20) belongs to 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 is comprised of acidic proteins that are organized in pairs of heterotypic keratin chains. KRT20 is a main cellular protein of mature enterocytes and goblet cells and is specifically expressed in the gastric and intestinal mucosa.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

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

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HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

KRT20 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 447 amino acids (1-424 a.a) and having a molecular mass of 50.9kDa. KRT20 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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