

Recombinant Human KRT20, His-tagged

Cat. No. KRT20-7260H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KRT20 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
description	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. KRT20 is a major cellular protein of mature enterocytes and goblet cells and is specifically expressed in the gastric and intestinal mucosa.
source	E. coli
species	Human
tag	His
form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
molecular mass	50.9 kDa (447aa)
aa sequence	MGSSHHHHHH SSGLVPRGSH MGSMDFSRRS FHRSLSSSLQ APVVSTVGMQ

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RLGTTSPVYG GAGGRGIRIS NSRHTVNYGS DLTGGGDLFVGNEKMAMQNL
 NDRLASYLEK VRTLEQSNSK LEVQIKQWYE TNAPRAGRDY SAYYRQIEEL
 RSQIKDAQLQ NARCVLQIDN AKLAAEDFRL KYETERGIRL TVEADLQGLN
 KVFDLTLHK TDLEIQIEEL NKDLALLKKE HQEEVDGLHK HLGNTVNVEV
 DAAPGLNLGV IMNEMRQKYEVMAQKNLQEA KEQFERQTAV LQQQVTVNTE
 ELKGTEVQLT ELRRTSQSLE IELQSHLSMK ESLEHTLEET KARYSSQLAN
 LQSLSSLEA QLMQIRSNME RQNNEYHILL DIKTRLEQEI ATYRRLLEGE
 DVKTTEYQLS TLEERDIKKT RKIKTVVQEV VDGKVVSSSEV KEVEENI

purity	>85% by SDS - PAGE
applications	SDS-PAGE
storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
concentration	0.5 mg/ml

GENE INFORMATION

gene name	KRT20 keratin 20 [Homo sapiens]
official symbol	KRT20
synonyms	KRT20; keratin 20; keratin, type I cytoskeletal 20; CK20; K20; MGC35423; keratin-20; protein IT; cytokeratin 20; cytokeratin-20; CD20; CK-20; KRT21;
Gene ID	54474
mrna refseq	NM_019010

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protein refseq	NP_061883
mim	608218
uniprot id	P35900
chromosome location	17q21.2
function	protein binding; structural constituent of cytoskeleton;

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