

**KRT20, 1-424aa Human, His tag, E.coli**

**Cat.NO.: TP02768**

3th Edition

**Synonyms:**Keratin, type I cytoskeletal 20, CD20; CK-20; CK20; K20; KRT21

**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. Recombinant human KRT20 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

**Molecular Weight:**50.9 kDa (447aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMDFSRRSFHRSLSSSLQAPVVSTVGMQRLGTTSPSVYGGAGGRGIRISNSRH  
TVNYGSDLTGGGDLFVGNEMAMQNLNDRLASYLEKVRTLEQSNSKLEVQIKQWYETNAPRAGRDISAYYRQIEE  
LRSQIKDAQLQNARCVLQIDNAKLAEDFRLKYETERGIRLTVADLQGLNKVFDDLTLHKTDLEIQIEELNKDLALLK  
KEHQEEVDGLHKHLGNTVNVEVDAAPGLNLGVIMNEMRQKYEVMAQKNLQEAKEQFERQTAVLQQQVTVNTEEL  
KGTEVQLTELRRTSQSLEIELQSHLSMKESLEHTLEETKARYSSQLANLQSLSSLEAQLMQIRSNMERQNNEYHIL  
LDIKTRLEQEIATYRRLLEGEDVKTTEYQLSTLEERDIKKTRKIKTVVQEVDGKVVSSSEVKEVEENI

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.