

KRT19, 1-400aa Human, His tag, E.coli

Cat.NO.: TP02767

3th Edition

Synonyms:Keratin, type I cytoskeletal 19, CK19, K19, K1CS

Description:KRT19 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. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. Recombinant human KRT19 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:46.5 kDa (423aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMTSYSYRQSSATSSFGGLGGGSVRFPGVAFRAPSIHGGSGGRGVSVSSA
RFVSSSSSGAYGGGYGGVLTASDGLLAGNEKLTMQNLNDRLASYLDKVRALAAANGELEVKIRDWYQKQGPGPS
RDYSHYYTTIQDLRDKILGATIENSRIVLQIDNARLAADDFFRTKFFETEALRMSVEADINGLRRVLDELTLARTDLEMQ
IEGLKEELAYLKKNHEEEISTLRGQVGGQVSVEVDSAPGTDLAKILSDMRSQYEVMAEQNRKDAAEWFTSRTEELN
REVAGHTEQLQMSRSEVTDLRRTLQGLEIELQSLSMKAALEDTLAETEARFGAQLAHIQALISGIEAQLGDVRADS
ERQNQEYQRLMDIKSRLEQEIATYRSLLLEGQEDHYNNLSASKVL

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.