

KRT5, 1-590aa, Human, His tag, E.coli

Cat.NO.: TP02769

3th Edition

Synonyms:Keratin 5, CK5, DDD, K5, KRT5A

Description:KRT5 is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Mutations in these genes have been associated with a complex of diseases termed epidermolysis bullosa simplex. Recombinant human KRT5 protein, fused to His-tag at N-terminus, was expressed in E.coli

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

Molecular Weight:64.8 kDa (613 aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMRQSSVSFRSGGSRSFSTASAITPSVSRSTSFTSVSRSGGGGGGGFGRVS
LAGACGVGGYGSRSLYNLGGSKRISISTSGGSFRNRFAGAGGGYGFGGGAGSGFGFGGGAGGGFGLGGGAGF
GGGFGGPGFPVCPGGIQEVTVNQSLLTPLNLQIDPSIQRVRTEEREQIKTLNKNKFASFIDKVRFLEQQNKVLDTKW
TLLQEQTGKTVRQNLEPLFEQYINNLRRLDLSIVGERGRLDSELRNMQDLVEDFKNKYEDEINKRTTAENEFVMLKK
DVDAAYMNKVELEAKVDALMDEINFMKMFDAELSQMQTHVSDTSVVLSDMNNRNLDLDSIIAEVKAQYEEIANRS
RTEAESWYQTKYEELQQTAGRHGDDL RNTKHEISEMNRMIQRLRAEIDNVKKQCANLQNAIADAEQRGELALKDA
RNKLAELEEALQKAKQDMARLLREYQELMNTKLALDVEIATYRKLEEGEECRLSGEGVGPVNISVVTSSVSSGYGS
GSGYGGGLGGGLGGGLGGGLAGGGSGSYSSSSGGVGLSGGLSVGGSGFSASSGRGLGVGFGSGGGSSSSVK
FVSTTSSSRKSFKS

Purity:> 95% by HPLC

Concentration:1 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.