

KRT8, 1-483aa, Human His tag, E.coli

Cat.NO.: TP02770

3th Edition

Synonyms:Keratin, type II cytoskeletal 8, keratin 8, CARD2, CK-8, CK8, CYK8, K2C8, K8, KO

Description:KRT8 is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. KRT8 typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis. Recombinant human KRT8 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:56 kDa (506aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGMSIRVTQKSYKVSTSGPRAFSSRSYSGPGSRISSSSFVRVGSNNFRGGLG
GGYGGASGMGGITAVTVNQSLLSPLVLEVDPNIAVRTQEKEQIKTLNKKFASFIDKVRFLQQNKMLETKWSLLQ
QQKTARSNMDNMFESYINLRRQLQLETLGQEKLEAELGNMQGLVEDFKNKYEDEINKRTEMENEFVLIKKDVDEA
YMNKVELESRLGLTDEINFLRQLYEEEEIRELQSQISDTSVVLSDNSRSLDMSIIAEVKAQYEDIANRSRAEAESM
YQIKYEELQSLAGKHGDDLRRRTKTEISEMNRNISRSLQAEIEGLKGQRASLEAAIADAEQRGELAIKDANAKLSELEAA
LQRAKQDMARQLREYQELMNVKLALDIEIATYRKLLEGEESRLESGMQNMSIHTKTTSGYAGGLSSAYGGLTSPGL
SYSLGSSFGSGAGSSSFRTSSSRVVVKKIETRDGKLVSESSDVLPK

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.