

32-4081: Recombinant Human Cytokeratin 8 His Tag

Alternative Name : Keratin type II cytoskeletal 8,Cytokeratin-8,CK-8,Keratin-8,K8,KRT8,CYK8,KO,CK8,K2C8,CARD2.

Description

Source : Escherichia Coli. KRT8 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 506 amino acids (1-483 a.a) and having a molecular mass of 56kDa. KRT8 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Cytokeratin 8 (KRT8) belongs to 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. KRT8 has a role in retaining cellular structural integrity and also functions in signal transduction and cellular differentiation. KRT8 gene mutations cause cryptogenic cirrhosis.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	KRT8 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SGLVPRGSH MGSMSIRVTQ KSYKVSTSGP RAFSSRSYTS GPGSRISSSS FSRVGSSNFR GGLGGGYGGA SGMGGITAVT VNQLLSPLV LEVDPNIQAV RTQEKEQIKT LNNKFASFID KVRFLEQQNK MLETKWLLQ QKTARSNMD NMFESYINNL RRQLETLGQE KLKLEAELGN MQGLVEDFKN KYEDEINKRT EMENEFVLIK KDVDEAYMNK VELESRLEGL TDEINFLRQL YEEEIRELQS QISDTSVVLV MDNSRSLDMD SIIAEVKAQY EDIANSRAE AESMYQIKYE ELQSLAGKHG DDLRRTKTEI SEMNRNISRL QAEIEGLKGG RASLEAAIAD AEQRGELAIK DANAKLSELE AALQRAKQDM ARQLREYQEL MNVKLALDIE IATYRKLLEG EESRLESGMQ NMSIHTKTS GYAGGLSSAY GGLTSPGLSY SLGSSFGSGA GSSSFSRTSS SRAVVVKKIE TRDGKLVSES SDVLPK.