

Recombinant Human KRT8, His-tagged

Cat. No. KRT8-145H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KRT8 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-483aa
Description	This gene 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. The product of this gene 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. Alternatively spliced transcript variants have been found for this gene.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	56 kDa (506aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMsIRVTQ KSYKVSTSGP RAFSSRSYTS GPGSRISSSS FSRVGSSNFR GGLGGGYGGA SGMGGITAVT VNQSLLSPLV LEVDPNIQAV RTQEKEQIKT LNNKFASFID KVRFLQQNK MLETKWSSLQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QQKTARSNMD NMFESYINN L RRQLET LGQE KLKLEAELGN MQGLVED FKN
 KYEDEINKRT EMENEFVL IK KDVDEAYMNK VELESRL E GL TDEINFLRQL
 YEEEIRELQS QISDTSVVLS MDNSRSLDMD SIIAEVKAQY EDIANRSRAE
 AESMYQIKYE ELQSLAGKHG DDLRRTKTEI SEMNRNISRL QAEIEGLKGQ
 RASLEAAIAD AEQRGELA IK DANAKLSELE AALQRAKQDM ARQLREYQEL
 MNVKLALDIE IATYRKLL EG EESRLESGMQ NMSIHTKTTS GYAGGLSSAY
 GGLTSPGLSY SLGSSFGSGA GSSSFRTSS SRAVVVKKIE TRDGKLVSES
 SDVL PK

Purity > 90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [KRT8 keratin 8 \[Homo sapiens \(human\) \]](#)

Official Symbol KRT8

Synonyms KRT8; K8; KO; CK8; CK-8; CYK8; K2C8; CARD2; keratin 8; keratin, type II cytoskeletal 8; cytokeratin 8; cytokeratin-8; type-II keratin Kb8

Gene ID [3856](#)

mRNA Refseq [NM_002273](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_002264
MIM	148060
UniProt ID	P05787
Chromosome Location	12q13
Pathway	EGFR1 Signaling Pathway; Signaling mediated by p38-alpha and p38-beta
Function	protein binding; protein complex binding; scaffold protein binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA