

Recombinant Human KRT8 Protein, MYC/DDK-tagged

Cat. No. KRT8-42H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human KRT8 Protein was produced by HEK293T expression system. This protein is fused with a MYC/DDK tag at the C-terminal.
Species	Human
Source	HEK293
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	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	53.5 kDa
AA Sequence	MSIRVTQKSYKVSTSGPRAFSSRSYTS GPGSRISSSSF SRV GSSNFRGGLGGGYGG ASGMGGITAVTVNQSLLSPLVLEVD PNIQAVRTQEKEQIKTLNKNKFASFIDKVRFLEQ QNKMLETKWSLLQQQKTARSNMDNMFESYINNLRRLQLETLGQEKLKLEAELGNMQ GLVEDFKNKYEDEINKRTEMENEFVLIKKDVDEAYMNKVELESRLGLTDEINFLRQL YEEEIRELQSQISDTSVVL SMDNSRSLDMSIIAEVKAQYEDIANRSRAEAESMYQIK

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YEELQSLAGKHGDDLRRRTKTEISEMNRNISRRLQAEIEGLKGQRASLEAAIADAEQRG
 ELAIKDANAKLSELEAALQRAKQDMARQLREYQELMNVKLALDIEIATYRKLEGEES
 RLESGMQNMSIHTKTTSGYAGGLSSAYGGLTSPGLSYSLGSSFGSGAGSSSFRTS
 SSRVVVKKIETRDGKLVSESSDVLPKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining.

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at –80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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

Official Symbol [KRT8](#)

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

Gene ID [3856](#)

mRNA Refseq [NM_001256282](#)

Protein Refseq [NP_001243211](#)

MIM [148060](#)

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UniProt ID

P05787

Purified recombinant protein KRT8 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.

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