

## Recombinant Human Cytokeratin-8

<b>Catalog No.</b>	CRC006A CRC006B CRC006C	<b>Quantity:</b>	5 µg 20 µg 1.0 mg
<b>Alternate Names:</b>	Keratin-8, KRT8, Card2, CK-8, CYK8, CYKER, K2C8, K8, KO, Krt2-8		
<b>Description:</b>	Recombinant human KRT8 is a single, non-glycosylated polypeptide chain.		
<b>GenelD:</b>	3856		
<b>Protein Accession No:</b>	NP_002264		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	53.5 kDa		
<b>Formulation:</b>	Lyophilized from a sterile filtered solution containing 30 mM Tris-HCl, pH 8.0 + 9.5 M urea + 2 mM DTT + 2 mM EDTA + 10 mM methylammonium chloride		
<b>Purity:</b>	> 95% as determined by RP-HPLC and SDS-PAGE analyses		
<b>Endotoxin Level:</b>	< 0.1 ng/µg of KRT8		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> First add sterile distilled water to the vial to fully solubilize the protein to a concentration not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.		
<b>Storage &amp; Stability:</b>	Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at 2-4°C. For long term storage, aliquot and store at -20°C to -80°C with a carrier protein (0.1% HSA or BSA) as a stabilizer. <b>Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.</b>		

### Amino Acid Sequence

1	MSIRVTQKSY	KVSTSGPRAF	SSRSYTSQPG	SRISSSSFSS	VGSSNFRGGL	50
51	GGGYGGASGM	GGITAVTVNQ	LLSPLVLEV	DPNIQAVRTQ	EKEQIKTLNN	100
101	KFASFIDKVR	FLEQQNKMLE	TKWSLLQOQK	TARSNMDNMF	ESYINNLRRO	150
151	LETLGQEKLK	LEAELGNMQG	LVEDFKNKYE	DEINKRTEME	NEFVLIKKDV	200
201	DEAYMNKVEL	ESRLEGLTDE	INFLRQLYEE	EIRELQSQIS	DTSVVLSDMN	250
251	SRSLDMSII	AEVKAQYEDI	ANRSRAEAE	MYQIKYEELQ	SLAGKHGDDL	300
301	RRTKTEISEM	NRNISRLQAE	IEGLKGORAS	LEAAIADAEQ	RGELAIKDAN	350
351	AKLSELEAAL	QRAKQDMARQ	LREYQELMNV	KLALDIEIAT	YRKLLEGEES	400
401	RLESGMQNMS	IHTKTTGYA	GGLSSAYGGL	TSPGLSYSLG	SSFGSGAGSS	450
451	SFSRTSSSRA	VVVKKIETRD	GKLVSESSDV	LPK		

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