

Product datasheet for PH309570

Cytokeratin 8 (KRT8) (NM_002273) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KRT8 MS Standard C13 and N15-labeled recombinant protein (NP_002264)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209570
Predicted MW:	53.5 kDa
Protein Sequence:	>RC209570 representing NM_002273 Red=Cloning site Green=Tags(s)

MSIRVTQKSYKVVSTSGPRAFSSRSYTSVSGPSRISSSSFSRVGSSNFRGGLGGYGGASGMGGITAVTVNQ
SLLSPLVLEVPNIQAVRTQEKEQIKTLNKNFASFIDKVRFLQKQNKMLETKWSLLQQQKTARSNMDNMF
ESYINLRRQLETGQEKLEAELGNMQGLVEDFKNKYEDEINKRTEMENEFVLIKKDVDEAYMKNVEL
ESRLEGLTDEINFLRQLYEEEIRELQSQISDTSVVLSDNSRSLDMSIIAEVKAQYEDIANRSRAEAE
MYQIKYEELQSLAGKHGDDLRRTKTEISEMNRNISRLQAEIEGLKGRASLEAAIADAEQRGELAIKDN
AKLSELEAALQRAKQDMARQLREYQELMNVKALDIEIATYRKLLEGEESRLESGMQNMSIHTKTTSGYA
GGLSSAYGGLTSPGLSYSLGSSFGSGAGSSFSRTSSSRVVVKKIETRDGKLVSESSDVLPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002264
RefSeq Size:	1788
RefSeq ORF:	1449
Synonyms:	CARD2; CK-8; CK8; CYK8; K2C8; K8; KO



[View online »](#)

Locus ID: 3856

UniProt ID: [P05787](#)

Cytogenetics: 12q13.13

Summary: 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. [provided by RefSeq, Jan 2012]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified KRT8 protein (Cat# [TP309570]). The protein was produced from HEK293T cells transfected with KRT8 cDNA clone (Cat# [RC209570]) using MegaTran 2.0 (Cat# [TT210002]).