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Product datasheet for PH312779

KRTAP27-1 (NM_001077711) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KRTAP27 MS Standard C13 and N15-labeled recombinant protein (NP_001071179)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212779
Predicted MW:	22.2 kDa
Protein Sequence:	>RC212779 representing NM_001077711 Red=Cloning site Green=Tags(s) MPHSHCHSLRSFHNAPPLSAITHGTNPITFEDRLCLPSSFHSRTCFLDNFQETCNETTSCQMTNCEQDLF TDDSCVQSNCFPGVVQTTYSNSRPCERTACQSESSSAGLACVSQPCQSESTQQMGFVAQSCQPASLKGNS CPPKTSKSKNFETLERASSQCQCQSQNPESSSCRPLVNVAPEPQLLESSPGVEPTCCVTGGSQLPSK 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_001071179
RefSeq Size:	682
RefSeq ORF:	621
Locus ID:	643812
UniProt ID:	Q3LI81
Cytogenetics:	21q22.11

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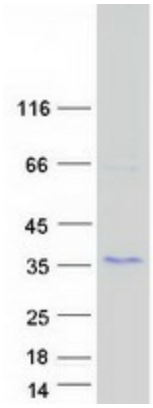
Summary: In the hair cortex, hair keratin intermediate filaments are embedded in an interfilamentous matrix, consisting of hair keratin-associated proteins (KRTAP), which are essential for the formation of a rigid and resistant hair shaft through their extensive disulfide bond cross-linking with abundant cysteine residues of hair keratins. The matrix proteins include the high-sulfur and high-glycine-tyrosine keratins.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified KRTAP27-1 protein (Cat# [TP312779]). The protein was produced from HEK293T cells transfected with KRTAP27-1 cDNA clone (Cat# [RC212779]) using MegaTran 2.0 (Cat# [TT210002]).