

## Product datasheet for TP312779

### KRTAP27-1 (NM\_001077711) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human keratin associated protein 27-1 (KRTAP27-1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC212779 representing NM_001077711 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MPHSHCHSLRSFHNAPPLSAITHGTNPITFEDRLCLPSSFHSRTCFDNLNFQETCNETTSCQMTNCEQDLF TDDSCVQSNCFPGVWQTTYSNSRPCERTACQSESSSAGLACVSQPCQSESTQQMGFVAQSCQPASLKGNS CPPKTSKSKNFETLERASSQCQCQSQNPESSSCRPLVNVAPEPQLLESSPGVEPTCCVTGGSQLPSK
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	22.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001071179</a>
Locus ID:	643812
UniProt ID:	<a href="#">Q3LI81</a>
RefSeq Size:	682



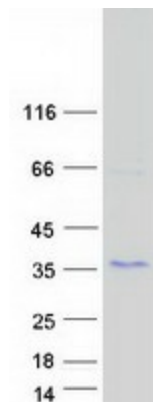
[View online »](#)

Cytogenetics: 21q22.11

RefSeq ORF: 621

**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]).