

## Product datasheet for **TP312779L**

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

#### **Product data:**

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



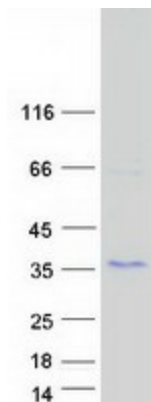
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Cytogenetics: 21q22.11

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]).