

## Product datasheet for TP329095L

### KRTAP2-2 (NM\_033032) Human Recombinant Protein

#### Product data:

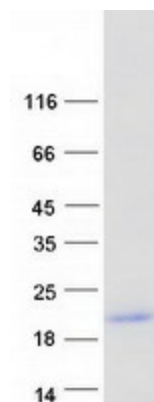
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human keratin associated protein 2-2 (KRTAP2-2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC229095 representing NM_033032 <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MTGSCCGSTFFSSLSYGGGCCQPCCCRDPCCCRPVTCQTTVCRPVCVPRCTRPICEPCRRPVCCDPCSLQ EGCCRPITCCPSSCTAVVCRPCCWATTCCQPVSVQSPCGQPTPCSTTCRTSSC  <span style="color: red;">TR</span> <span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span>
Tag:	C-Myc/DDK
Predicted MW:	12.8 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:	NULL or Add: Recombinant proteins 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_149021</a>
Locus ID:	728279
UniProt ID:	<a href="#">Q9BYT5</a>
Cytogenetics:	17q21.2
RefSeq ORF:	369


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**Synonyms:** KAP2.1; KAP2.2; KRTAP2-1; KRTAP2.1A; KRTAP2.1B

**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 (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Coomassie blue staining of purified KRTAP2-2 protein (Cat# [TP329095]). The protein was produced from HEK293T cells transfected with KRTAP2-2 cDNA clone (Cat# [RC229095]) using MegaTran 2.0 (Cat# [TT210002]).