

## Product datasheet for TP319451M

### DGCR8 (NM\_022720) Human Recombinant Protein

#### Product data:

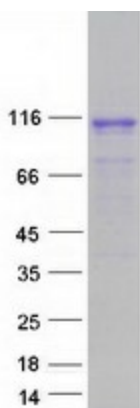
Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens DiGeorge syndrome critical region gene 8 (DGCR8), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219451 representing NM_022720 Red=Cloning site Green=Tags(s)
	<p>METDESPSPLPCGPAGEAVMESRARPFQALPREQSPPPPLQTSSGAEVMDVGSGGDQSELPAEDPFNFY GASLLSKGSFSKGRLLIDPNCSGHSPRTARHAPAVRKFSPLDKLLKDVKISVSFTESCRSKDRKVLTYGA ERDVRAECGLLLSPVSGDVHACPFGGSVGDGVGIGGESADKKDEENELDQEKREYAVLDELEDFTDNLE LDEEGAGGFTAKAIVQRDRVDEEALNFPYEDDFDNDVDALLEEGLCAPKKRRTEEKYGGSDHPSDGETS VQPMMTKIKTVLKSRRPTEPLPDGWIMTFHNSGVPVYLHRESRVTWSRPYFLGTGSIRKHDPPSSI PCLHYKKMKDNEEREQSSDLTPSGDVSPVKPLRSAELEFPLDEPDSMGADPGPPDEKDPGAEAPGAL GQVKAKVEVCKDESVDLEEFRSYLEKRFDFEQVTVKKFRTWAERRQFNEMKRKQAESERPILPANQKLI TLSVQDAPTKKEFVINPNGKSEVCILHEYMQRVLKVRPVYNFFECENPSEPFASVTIDGVTYGSSTASS KKLAKNKAARATLEILIPDFVKQTSEEKPKDSEELEYFNHISIEDSRVYELTSKAGLLSPYQILHECLKR NHGMGDTSIKFEVPGKNQKSEYVMACGKHTVRGWCKNKRVGKQLASQKILQLLHPHVKNWGSLLRMYGR ESSKMKVQETS DKS VIELQYAKKNKPNLHILSKLQEEMKRLAEEREETRKKPKMSIVASAPGGGEPLCT VDV</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	85.9 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.



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<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>	<a href="#">NP_073557</a>
<b>Locus ID:</b>	54487
<b>UniProt ID:</b>	<a href="#">Q8WYQ5</a>
<b>RefSeq Size:</b>	4461
<b>Cytogenetics:</b>	22q11.21
<b>RefSeq ORF:</b>	2319
<b>Synonyms:</b>	C22orf12; DGCRK6; Gy1; pasha
<b>Summary:</b>	This gene encodes a subunit of the microprocessor complex which mediates the biogenesis of microRNAs from the primary microRNA transcript. The encoded protein is a double-stranded RNA binding protein that functions as the non-catalytic subunit of the microprocessor complex. This protein is required for binding the double-stranded RNA substrate and facilitates cleavage of the RNA by the ribonuclease III protein, Drosha. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010]

### Product images:



Coomassie blue staining of purified DGCR8 protein (Cat# [TP319451]). The protein was produced from HEK293T cells transfected with DGCR8 cDNA clone (Cat# [RC219451]) using MegaTran 2.0 (Cat# [TT210002]).