

Recombinant Full Length Human DGCR8 Protein, C-Flag-tagged

Cat. No. DGCR8-1141HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DGCR8 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	85.9 kDa
AA Sequence	METDESPSPLPCGPAGEAVMESRARPFQALPREQSPPPPLQTSSGAEVMDVGSGG DGQSELPAEDPFNFY GASLLSKGSFSKGRLLIDPNCSGHSPRTARHAPAVRKFS PD LKLLKDVKISVSFTESCRSKDRKVLTYGA ERDVRAECGLLLSPVSGDVHACPF GGSVGDGVGIGGESADKKDEENELDQEKRV EYAVLDELEDFTDNLE LDEEGAGG FTAK AIVQRDRVDEEALNFPYEDDFDNDVDALLEEGLCAPKKRRTEEKYGGDS DHPSDGE TS VQPMMTKIKTVLKSRGRPTEPLPDGWIMTFHNSGVPVYLHRESRV VTWSRPY

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FLGTGSIRKHDPLSSI PCLHYKKMKDNEEREQSSDLTPSGDVSPVKPLSRSAELEF
 PLDEPDSMGADPGPPDEKDPLGAEEAAPGAL GQVKAKVEVCKDESVDLEEFRSYLE
 KRFD FEQVTVKKFRTWAERRQFNREMKRKQAESERPILPANQKLI TLSVQDAPTKK
 EFVINPNGKSEVCILHEYMQRVLKVRPVYNFFECENPSEPFASVTIDGVTYGS GTA
 SS KKLAKNKAARATLEILIPDFVKQTSEEKPKDSEELEYFNHISIEDSRVYELTSKAGL
 LSPYQILHECLKR NHGMGDTSIKFEVVPGKNQKSEYVMACGKHTVRGWCKNKRVG
 KQLASQKILQLLHPHVKNWGSLLRMYGR ESSKMKVQETSDKSVIELQQYAKKNKPN
 LHILSKLQEEMKRLAEEREETRKKPKMSIVASAQPGGEPLCT
 VDVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

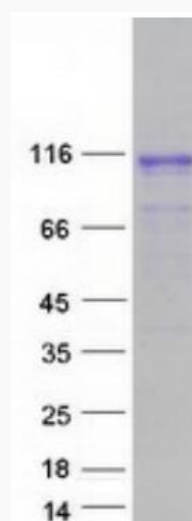
Gene Name	DGCR8 DGCR8 microprocessor complex subunit [Homo sapiens (human)]
Official Symbol	DGCR8
Synonyms	Gy1; pasha; DGCRK6; C22orf12

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Gene ID	54487
mRNA Refseq	NM_022720.7
Protein Refseq	NP_073557.3
MIM	609030
UniProt ID	Q8WYQ5



Coomassie blue staining of purified DGCR8 protein.