

Recombinant Full Length Human DGCR8 Protein, GST-tagged

Cat. No. DGCR8-2495HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DGCR8 full-length ORF (NP_073557.3, 1 a.a. - 773 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	773 amino acids
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. [provided by RefSeq, Jun 2010]
Molecular Mass	112.4 kDa
AA Sequence	METDESPSPLPCGPAGEAVMESRARPFQALPREQSPPPPLQTSSGAEVMDVGSGG DGQSELPAEDPFNFYGASLLSKGSFSKGRLLIDPNCSGHSPRTARHAPAVRKFS PD LKLLKDVKISVSFTESCRSKDRKVLYTGAERDVRAECGLLLSPVSGDVHACPF GGSV GDGVGIGGESADKKDEENELDQEKRVEYAVLDELEDFTDNLELDEEGAGGFTAKAI VQRDRVDEEALNFPYEDDFDNDVDALLEEGLCAPKKRRTEEKYGGSDHPSDGET SVQPMMTKIKTVLKSRRPPTTEPLPDGWIMTFHNSGVPVYLHRESRVVTWSRPYFL

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GTGSIRKHDPPPLSSIPCLHYKKMKDNEEREQSSDLTPSGDVSPVKPLSRSAELEFPL
DEPDMSGADPGPPDEKDPLGAEAAPGALGQVKAKVEVCKDESVDLEEFRSYLEKR
FDFEQVTVKKFRTWAERRQFNREMKRKQAESERPILPANQKLITLSVQDAPTKKEFV
INPNGKSEVCILHEYMQRVLKVRPVYNFFECENPSEPFASVTIDGVTYGSGTASSK
KLAKNKAARATLEILIPDFVKQTSEEKPKDSEELEYFNHISIEDSRVYELTSKAGLLSP
YQILHECLKRNHGMGDTSIKFEVVPGKNQKSEYVMACGKHTVRGWCKNKRVGKQL
ASQKILQLLHPHVKNWGSLLRMYGRESSKMKVQETSDKSVIELQQYAKKNKPNLHIL
SKLQEEMKRLAEEREETRKKPKMSIVASAQPGGEPLCTVDV

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

DGCR8 DiGeorge syndrome critical region gene 8 [Homo sapiens]

Official Symbol

DGCR8

Synonyms

DGCR8; DiGeorge syndrome critical region gene 8; C22orf12, chromosome 22 open reading frame 12; microprocessor complex subunit DGCR8; DGCRK6; Gy1; pasha; DiGeorge syndrome critical region 8; C22orf12;

Gene ID

54487

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mRNA Refseq	NM_001190326
Protein Refseq	NP_001177255
MIM	609030
UniProt ID	Q8WYQ5

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