

Recombinant Human DGCR2 Protein, GST-tagged

Cat. No. DGCR2-2564H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DGCR2 full-length ORF (NP_005128.1, 1 a.a. - 550 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Deletions of the 22q11.2 have been associated with a wide range of developmental defects (notably DiGeorge syndrome, velocardiofacial syndrome, conotruncal anomaly face syndrome and isolated conotruncal cardiac defects) classified under the acronym CATCH 22. The DGCR2 gene encodes a novel putative adhesion receptor protein, which could play a role in neural crest cells migration, a process which has been proposed to be altered in DiGeorge syndrome. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010]
Molecular Mass	87.2 kDa
AA Sequence	MVPKADSGAFLLLFLVLTVTEPLRPELRCNPGQFACRSGTIQCIPLWQCDGWATC EDESDEANCPEVTGEVRPHHGKEAVDPRQGRARGGDPSHFHAVNVAQPVRFSSFL GKCPTGWHHYEGTASCYRVYLSGENYWDAQAQTCQRLNGSLATFSTDQELRFVLAQ EWDQPERSEFGWKDQRKLWVGYYVITGRNRSLEGRWEVAFKGSSEVFLPPDPIFA SAMSENDNVFCAQLQCFHFPTLRHHDLSWHAESCYEKSSFLCKRSQTCVDIKDNV VDEGFYFTPKGDDPCLSCTCHGGEPEMCVAALCERPQGCQQYRKDPKECCKFMC LDPDGNSLFDSMASGMRLVSCISSFLILSLLLFMVHRLRQRRRERIESLIGANLHHF

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NLGRRIPGFDYGPDPGFGTGLTPLHLSDDGEGGTFHFHDPPPPYTAYKYPDIGQPDD
 PPPPYEASIHPPDSVFYDPADDDAFEPVEVSLPAPGDGGSEGALLRRLEQPLPTAGA
 SLADLEDSADSSSALLVPPDPAQSGSTPAAEALPGGGRHSRSSLNTVV

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

DGCR2 DiGeorge syndrome critical region gene 2 [Homo sapiens]

Official Symbol

DGCR2

Synonyms

DGS C; DGS2; DiGeorge syndrome critical region gene 2; IDD; integral membrane protein DGCR2; LAN; SEZ 12; DiGeorge syndrome critical region protein 2; integral membrane protein deleted in DiGeorge syndrome

Gene ID

9993

mRNA Refseq

NM_005137.2

Protein Refseq

NP_005128.1

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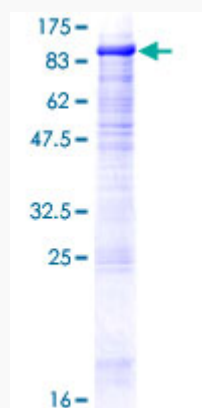
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MIM 600594

UniProt ID P98153

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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