

Recombinant Full Length Human DGCR2 Protein, GST-tagged

Cat. No. DGCR2-2492HF **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	In Vitro Cell Free System
ProteinLength	550 amino acids
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	MVPKADSGAFLLLFLLVLTVTPEPLRPELRNCNPGQFACRSGTIQCIPLPWQCDGWATC EDESDEANCPEVTGEVRPHHGKEAVDPRQGRARGGDPSHFHAVNVAQPVRFSFL GKCPTGWHHYEGTASCYRVYLSGENYWDAATCQRLNGSLATFSTDQELRFVLAQ EWDQPERSEFGWKDQRKLWVGYYVITGRNRSLEGRWEVAFKGSSEVFLPPDPIFA SAMSENDNVFCAQLQCFHFPTLRHHDLHSHWAESCYEKSSFLCKRSQTCVDIKDNV VDEGFYFTPKGDDPCLSCTCHGGEPEMCVAALCERPQGCQQYRKDPKECCKFMC

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LDPDGNSLFDSMASGMRLVSCISSFLILSLLLFMVHRLRQRRRERIESLIGANLHHF
 NLGRRIPGFDYGPDPGFGTGLTPLHLSDDGEGGTFHFHDPPPPYTAYKYPDIGQPDD
 PPPPYEASIHPSVIFYDPADDDAFEPVEVSLPAPGDGGSEGALLRRLEQPLPTAGA
 SLADLEDSADSSSALLVPPDPAQSGSTPAEALPGGGRHSRSSLNTVV

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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MIM	600594
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UniProt ID	P98153
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