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	MVPKADSGAFLLLFLLVLTVTEPLRPELRCNPGQFACRSGTIQCIPLPWQCDGWATC EDESDEANCPEVTGEVRPHHGKEAVDPRQGRARGGDPSHFHAVNVAQPVRFSSFL GKCPTGWHHYEGTASCYRVYLSGENYWDAAQTCQRLNGSLATFSTDQELRFVLAQ EWDQPERSFGWKDQRKLWVGYQYVITGRNRSLEGRWEVAFKGSSEVFLPPDPIFA SAMSENDNVFCAQLQCFHFPTLRHHDLHSWHAESCYEKSSFLCKRSQTCVDIKDNV VDEGFYFTPKGDDPCLSCTCHGGEPEMCVAALCERPQGCQQYRKDPKECCKFMC

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	LDPDGNSLFDSMASGMRLVVSCISSFLILSLLLFMVHRLRQRRRERIESLIGANLHHF NLGRRIPGFDYGPDGFGTGLTPLHLSDDGEGGTFHFHDPPPPYTAYKYPDIGQPDD PPPPYEASIHPDSVFYDPADDDAFEPVEVSLPAPGDGGSEGALLRRLEQPLPTAGA 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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MIM	600594
UniProt ID	P98153

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