

Recombinant human DGCR6L protein

Catalog Number: ATGP2085

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-220aa

UniProt No.

Q9BY27

NCBI Accession No.

NP_150282

Alternative Names

Gem-associated protein 6, gem (nuclear organelle) associated protein 6

PRODUCT SPECIFICATION

Molecular Weight

27.3 kDa (243aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 1mM DTT, 250mM Imidazole

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

DGCR6L is a protein that shares homology with the Drosophila gonadal protein, expressed in gonadal tissues and germ cells, and with the human laminin gamma-1 chain that functions in cell attachment and migration. This protein is located in a region of chromosome 22 implicated in the DiGeorge syndrome, one facet of a broader collection of anomalies referred to as the CATCH 22 syndrome. Recombinant human DGCR6L protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

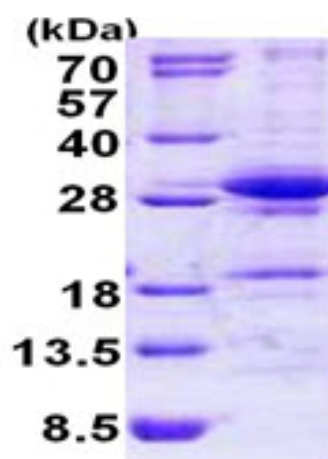
MGSSHHHHHH SSGLVPRGSH MGSMERYAAA LEEVADGARQ QERHYQLLSA LQSLVKELPS SFQQRLSYTT LSDLALALLD
GTVFEIVQGL LEIQHLTEKS LYNQRLRLQN EHRVLRQALR QKHQEAQQAC RPHNLPVVQA AQQRELEASE HRIREEGRAM
DQKIILELDR KVADQQSTLE KAGVAGFYVT TNPQELMLQM NLELIRKLQ QRGCRAGNAA LGLGGPWQSP AAQCDQKGSP
VPP

General References

Li,X., et al. (2010) Int. J. Biochem. Cell Biol. 42 (1), 70-79
Pfuhl,T., et al. (2005) Hum. Genet. 117 (1), 70-80

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)