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### Recombinant human DGCR6 protein

Catalog Number: ATGP1979

#### **PRODUCT INFORMATION**

#### **Expression system**

E.coli

#### **Domain**

1-220aa

#### UniProt No.

014129

#### **NCBI Accession No.**

NP 005666

#### **Alternative Names**

Protein DGCR6, DiGeorge syndrome critical region gene 6

#### PRODUCT SPECIFICATION

#### **Molecular Weight**

27 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, 20% glycerol

#### **Purity**

> 95% 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**

DGCR6 shares homology with the Drosophila melanogaster gonadal protein, which participates in gonadal and germ cell development, and with the gamma-1 subunit of human laminin. This protein is a candidate for involvement in DiGeorge syndrome pathology and in schizophrenia. Recombinant human DGCR6 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

#### **Amino acid Sequence**

MGSSHHHHHH SSGLVPRGSH MGSMERYAGA LEEVADGARO OERHYOLLSA LOSLVKELPS SFOORLSYTT LSDLALALLD



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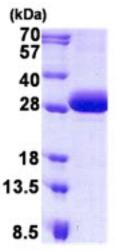
GTVFEIVQGL LEIQHLTEKS LYNQRLRLQN EHRVLRQALR QKHQEAQQAC RPHNLPVLQA AQQRELEAVE HRIREEQRAM DQKIVLELDR KVADQQSTLE KAGVAGFYVT TNPQELMLQM NLLELIRKLQ QRGCWAGKAA LGLGGPWQLP AAQCDQKGSP VPP

#### **General References**

Pfuhl T, Durr M, Spurk A, et al. (2005). Hum Genet. 117(1):70-80.

#### **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

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

