

Recombinant human PACT protein

Catalog Number: ATGP2775

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-313aa

UniProt No.

O75569

NCBI Accession No.

NP_003681

Alternative Names

Protein kinase interferon-inducible double stranded RNA dependent activator, Protein kinase, interferon-inducible double stranded RNA dependent activator, DYT16, HSD14, PACT, RAX

PRODUCT SPECIFICATION

Molecular Weight

36.8 kDa (336aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT, 1mM EDTA

Purity

> 80% 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

PRKRA is a protein kinase activated by double-stranded RNA which mediates the effects of interferon in response to viral infection. Mutations in this gene have been associated with dystonia. Alternative splicing results in multiple transcript variants. Recombinant human PRKRA 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

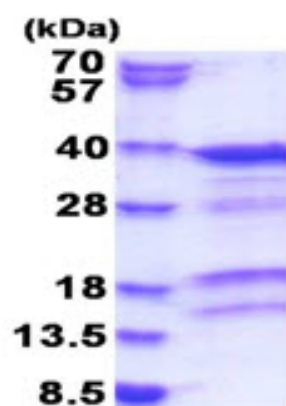
MGSSHHHHHH SSGLVPRGSH MGSMSQSRHR AEAPPLERED SGTFSLGKMI TAKPGKTPIQ VLHEYGMKTK NIPVYECERS
DVQIHVPTFT FRVTVGDTTC TEGGTSKKLA KHRAAEAAIN ILKANASICF AVPDPLMPDP SKQPKNQLNP IGSLQELAIH
HGWRLPEYTL SQEGGPAHKR EYTTICRLES FMETGKGASK KQAKRNAAEK FLAKFSNISP ENHISLTNVV GHSLGCTWHS
LRNSPGEKIN LLKRSLLSIP NTDYIQLLSE IAKEQGFNIT YLDIDELSAN GQYQCLAELS TSPITVCHGS GISCGNAQSD
AAHNALQYLK IIAERK

General References

Peters G.A., et al. (2001) Mol. Cell. Biol. 21:1908-1920
Peters G.A., et al. (2006) J. Biol. Chem. 281:35129-35136

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)