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

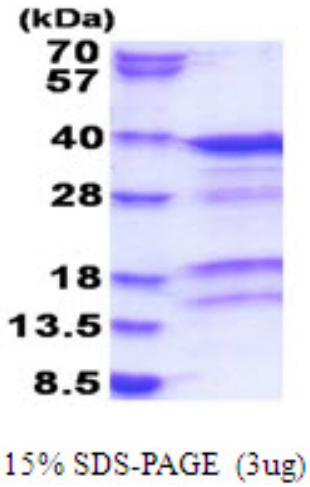
MGSSHHHHHH SSGLVPRGSH MGSMSQSRHR AEAPPLERED SGTFSLGKMI TAKPGKTPIQ VLHEYGMKTK NIPVYECERS DVQIHVPTFT FRVTVGDITC TGEGTSKKLA KHRAAEAAIN ILKANASICF AVPDPLMPDP SKQPKNQLNP IGSLQELAIH HGWRLPEYTL SQEGGPAHKR EYTTICRLES FMETGKGASK KQAKRNAAEK FLAKFSNISP ENHISLTNVV GHSLGCTWHS LRNSPGEKIN LLKRSLLSIP NTDYIQLLSE IAKEQGFNIT 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



15% SDS-PAGE (3ug)

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