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Recombinant human IP6K2 protein

Catalog Number: ATGP2975

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-426aa

UniProt No.

09UHH9

NCBI Accession No.

NP 057375

Alternative Names

Inositol hexakisphosphate kinase 2 isoform a, IHPK2, PluS

PRODUCT SPECIFICATION

Molecular Weight

51.3 kDa (446aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid In. 20mM Tris-HCl buffer (pH8.0) containing 10% Glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

IP6K2 also known as Inositol hexakisphosphate kinase 2, belongs to the inositol IPK family. This protein is likely responsible for the conversion of inositol hexakisphosphate (InsP6) to diphosphoinositol pentakisphosphate (InsP7/PP-InsP5). It may also convert 1, 3, 4, 5, 6-pentakisphosphate (InsP5) to PP-InsP4 and affect the growth suppressive and apoptotic activities of interferon-beta in some ovarian cancers. Recombinant human IP6K2, fused to His-tag at N-terminus, was expressed in E. coli



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Amino acid Sequence

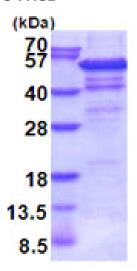
MGSSHHHHHH SSGLVPRGSH MSPAFRAMDV EPRAKGVLLE PFVHQVGGHS CVLRFNETTL CKPLVPREHQ FYETLPAEMR KFTPQYKGVV SVRFEEDEDR NLCLIAYPLK GDHGIVDIVD NSDCEPKSKL LRWTTNKKHH VLETEKTPKD WVRQHRKEEK MKSHKLEEEF EWLKKSEVLY YTVEKKGNIS SQLKHYNPWS MKCHQQQLQR MKENAKHRNQ YKFILLENLT SRYEVPCVLD LKMGTRQHGD DASEEKAANQ IRKCQQSTSA VIGVRVCGMQ VYQAGSGQLM FMNKYHGRKL SVQGFKEALF QFFHNGRYLR RELLGPVLKK LTELKAVLER QESYRFYSSS LLVIYDGKER PEVVLDSDAE DLEDLSEESA DESAGAYAYK PIGASSVDVR MIDFAHTTCR LYGEDTVVHE GQDAGYIFGL QSLIDIVTEI SEESGE

General References

Fairfax BP., et al. (2012) Nat. Genet. 44 (5), 502-510

DATA





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

15% SDS-PAGE (3ug)