

IP6K2, 1-426aa, Human, His tag, E.coli

Cat.NO.: TP02683

3th Edition

Synonyms:Inositol hexakisphosphate kinase 2 isoform a, IHPK2, PluS

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

Form:Liquid. In Tris-HCl buffer (pH 8.0) containing 10% glycerol

Molecular Weight:51.3kDa (446aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMSPAFRAMDVEPRAKGVLLPEFVHQVGGHSCVLRFNETTLCPLVPREHQFYET
LPAEMRKFTPQYKGVVSVRFEEDEDRNLCLIAYPKGDHGIVDIVDNSDCEPKSKLLRWTTNKKHHVLETEKTPKD
WVRQHRKEEKMKSHKLEEEFEWLKSEVLYYTVEKKNISSQLKHYNPWSMKCHQQQLQRMKENAKHRNQYKFI
LLENLTSRYEVPVLDLKMGRQHGDDASEEKAANQIRKQSTSAVIGVRVCGMQVYQAGSGQLMFMNKYHGR
KLSVQGFKALFQFFHNGRYLRRELLGPVLKKTTELKAVLERQESYRFYSSLLVIYDGKERPEVVLDSDAEDLEDL
SEESADESAGAYAYKPIGASSVDVRMIDFAHTTCRLYGEDTVVHEGQDAGYIFGLQSLIDIVTEISEESGE

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.