

## Inositol Hexakisphosphate Kinase 2 Human Recombinant

<b>Item Number</b>	rAP-1697
<b>Synonyms</b>	Inositol hexakisphosphate kinase 2 isoform a, IHPK2, PIUS, InsP6 kinase 2, P(i)-uptake stimulator, PIUS, IP6K2, TCCCIA00113.
<b>Description</b>	IP6K2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 446 amino acids (1-426a.a) and having a molecular mass of 51.3kDa. IP6K2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	Q9UHH9
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MSPAFRAMDV EPRAKGVLE PFVHQVGGHS CVLRFNETTL CKPLVPREHQ FYETLPAEMR KFTPQYKGVV SVRFEEDR NLCLAIYPLK GDHGIVDIVD NSDCEPK- SKL LRWTTNKKHH VLETEKTPKD WVRQHRKEEK MKSHKLEEEF EWLKKSEVLY YTVEKKNIS SQLKHYNPWS MKCHQQQLQR MKENAKHRNQ YKFILLENLT SRYEVPCVLD LKMGTRQHG DASEE- KAANQ IRKCQQSTSA VIGVRVCGMQ VYQAGSGQLM FMNKYHGRKL SVQGFKEALF QFFHNGRYLR RELLGPVLKK LTELKAVLER QESYRFYSS LLVIYDGKER PEVVLDSAE DLEDLSEESA DESAGA- YAYK PIGASSVDVR MIDFAHTTCR LYGEDTVVHE GQDAGYIFGL QSLDIVTEI SEESGE.
<b>Source</b>	E.coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	IP6K2 solution (0.5mg/ml) contains Tris-HCl buffer (pH 8.0) and 10% glycerol. Greater than 85% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**