
Product Data Sheet

Product Name: IP6K2 Human

Cat. No.: GP22534

Batch No.: 1

Product Data

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|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------|
| Purity | >98% | Source | E.coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | Inositol hexakisphosphate kinase 2 isoform a; IHPK2; PIUS; InsP6 kinase 2; P(i)-uptake stimulator; PiUS; IP6K2; TCCCIA00113. | | |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MSPAFRAMDV EPRAKGVLE PFVHQVGGHS CVLRFNETTL CKPLVPREHQ FYETLPAEMR KFTPQYKGVV SVRFEEDDR NLCLIAYPLK GDHGIVDIVD NSDCEPKSKL LRWTTNKKHH VLETEKTPKD WVRQHRKEEK MKSHKLEEEF EWLKKSEVLY YTVEKKGNIS SQLKHYNPWS MKCHQQQLQR MKENAKHRNQ YKFILLENLT SRYEVPCVLD LKMGRTRQHG DASEEKAANQ IRKCQQSTSA VIGVRVCGMQ VYQAGSGQLM FMNKYHGRKL SVQGFKEALF QFFHNGRYLR RELLGPVLKK LTELKAVLER QESYRFYSSS LLVIYDGKER PEVVLDSAE DLEDLSEESA DESAGAYAYK PIGASSVDVR MIDFAHTTCR LYGEDTVVHE GQDAGYIFGL QSLIDIVTEI SEESGE. | | |
| Formulation | IP6K2 solution (0.5mg/ml) contains Tris-HCl buffer (pH 8.0) and 10% glycerol. | | |

Introduction

Inositol Hexakisphosphate Kinase 2 (IP6K2) which is a part of the inositol IPK family converts inositol hexakisphosphate to diphosphoinositol pentakisphosphate. IP6K2 also converts 1, 3, 4, 5, 6-pentakisphosphate (InsP5) to PP-InsP4. IP6K2 is a protein coding gene which suppresses the growth and affects the apoptotic activities of IFN-beta in several ovarian cancers.

Stability

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

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.

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