

## INPP5A Protein, Human (HEK293, His)

<b>Cat. No.:</b>	HY-P70834
<b>Synonyms:</b>	Type I inositol 1; 4; 5-trisphosphate 5-phosphatase; INPP5A
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	Q14642 (M1-V410)
<b>Gene ID:</b>	3632
<b>Molecular Weight:</b>	Approximately 48.0 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> MAGKAAAPGT   AVLLVTANVG   SLFDDPENLQ   KNWLRIFYQV VHTHKPHFMA   LHCQEFGGKN   YEASMSHVDK   FVKELLSSDA MKEYNRARVY   LDENYKSQEH   FTALGSFYFL   HESLKNIYQF DFKAKKYRKV   AGKEIYSDTL   ESTPMLEKEK   FPQDYFPECK WSRKGFI RTR   WCIADCAFDL   VNIHLFH DAS   NLVAWETSPS VYSGIRHKAL   GYVLDRIIDQ   RFEKVS YFVF   GDFNFRLDSK SVVETLCTKA   TMQTVRAADT   NEVVKLIFRE   SDNDRKVMLQ LEKKLFDYFN   QEVFRDNNGT   ALLEFDKELS   VFKDRLYEEL ISFPPSY PYS   EDARQGEQYM   NTRCPAWCDR   ILMSPSAKEL VLRSESE EKV   VTYDHIGPNV   CMGDHKPVFL   AFRIMP GAGK PHAHVHKCCV           </pre>
<b>Biological Activity</b>	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
<b>Appearance</b>	Solution.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	N/A
<b>Storage &amp; Stability</b>	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
<b>Shipping</b>	Shipping with dry ice

### DESCRIPTION

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**Background**

INPP5A Protein is a phosphatase with a specific enzymatic activity, catalyzing the hydrolysis of the 5-phosphate of inositol 1,4,5-trisphosphate to inositol 1,4-bisphosphate, and inositol 1,3,4,5-tetrasphosphate to inositol 1,3,4-trisphosphate. This enzymatic action highlights its role in inositol phosphate metabolism. Notably, INPP5A plays a crucial and essential role in the survival of cerebellar Purkinje cells, emphasizing its significance in cellular processes and neuronal function.

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

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