

Product datasheet for PH322083

INPP5A (NM_005539) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	INPP5A MS Standard C13 and N15-labeled recombinant protein (NP_005530)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222083
Predicted MW:	47.8 kDa
Protein Sequence:	>RC222083 protein sequence Red=Cloning site Green=Tags(s)

MAGKAAAPGTAVLLVTANVGSFLDDPENLQKNWREFYQVVHTHKPHFMALHCQEFGGKNYEASMSHVDK
FVKELLSSDAMKEYNRARVYLDENYKSQEHTALGSFYFLHESLKNIQDFKAKKYRKVAGKEIYSDTL
ESTPMLEKEKFPQDYFPECKWSRKGFIIRTRWCIADCAFDLVNIHLFHDASNLVAVETSPSVYSGIRHKAL
GYVLDRIIDQRFEKVSFVFGDFNFRLDSKSVVETLCTKATMQTVRAADTNEVVKLIFRESNDNRKVMLQ
LEKKLFDYFNQEVFRDNGTALLEFDKELSVFKDRLYELDISFPSPYPYSEDARQGEQYMNTRCPAWCDR
ILMSPSAKELVLRSESEEKVVTYDHIGPNVCMGDHKPVFLAFRIMPAGAGKPHAHVHKCCVVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_005530</u>
RefSeq Size:	2938
RefSeq ORF:	1236
Synonyms:	5PTASE
Locus ID:	3632



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UniProt ID: [Q14642](#)

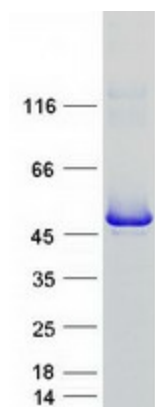
Cytogenetics: 10q26.3

Summary: The protein encoded by this gene is a membrane-associated type I inositol 1,4,5-trisphosphate (InsP3) 5-phosphatase. InsP3 5-phosphatases hydrolyze Ins(1,4,5)P3, which mobilizes intracellular calcium and acts as a second messenger mediating cell responses to various stimulation. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system

Product images:



Coomassie blue staining of purified INPP5A protein (Cat# [TP322083]). The protein was produced from HEK293T cells transfected with INPP5A cDNA clone (Cat# [RC222083]) using MegaTran 2.0 (Cat# [TT210002]).