

## Product datasheet for PH318717

### INSYN2A (NM\_001039762) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	FAM196A MS Standard C13 and N15-labeled recombinant protein (NP_001034851)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218717
Predicted MW:	52.9 kDa
Protein Sequence:	>RC218717 protein sequence Red=Cloning site Green=Tags(s)

MVSKDTGKCILTTSESEVEPAACLALAMKYALDPNRQIKKRKALQVRFKDICEAQNEQRDTQLSSGQLG  
EKREAKPVSCRAAYRKYMTVPARRSIPNVTKSTGVQTSPLDKKCYQTFPLDRKKGNLKSPLAADPFKSQN  
NGFLTDAKEKNEAGPMEEARPCGAGRVHKTALVFHSNQHMNTVDQPLGVNCTEPCKSPEPLSYGEAALQ  
NSTRPPSEEPDYQLLGRAKQDRGRPNSEEPAPPALRRVFKTEVATVYAPAL SARAPEPGLSDSAAASQWS  
LCPADDERRRATHLNLQAPSETALACSPPMQCLSPECSEQPSQTHTPPGLGNQPSPTAVAAGEECQRIV  
PHTEVVDLKAQLQMMENLISSSQETIKVLLGVIQEQLEKGEAHREGLSYRTGQDTANCDTCRNSACIIYSV  
ELDFKQEQDKLPVLRKLHPIEETQVIPSPYSQETYSSTPKQKSKTESKKHGRWKLWFL

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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><a href="#">NP_001034851</a></u>
RefSeq Size:	4407
RefSeq ORF:	1437
Synonyms:	C10orf141; FAM196A; INSYN2



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Locus ID: 642938

UniProt ID: [Q6ZSG2](#)

Cytogenetics: 10q26.2

**Summary:** Component of the protein machinery at the inhibitory synapses, probably acting as a scaffold. Inhibitory synapses dampen neuronal activity through postsynaptic hyperpolarization. This synaptic inhibition is fundamental for the functioning of the central nervous system, shaping and orchestrating the flow of information through neuronal networks to generate a precise neural code.[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified INSYN2A protein (Cat# [TP318717]). The protein was produced from HEK293T cells transfected with INSYN2A cDNA clone (Cat# [RC218717]) using MegaTran 2.0 (Cat# [TT210002]).