

Product datasheet for **TP318717M**

INSYN2A (NM_001039762) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chromosome 10 open reading frame 141 (C10orf141), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218717 protein sequence Red =Cloning site Green =Tags(s)

MVSKDTGKCILTTSESEVEPAACLALEMKYALDPNRQIKRKNKALQVRFKDICEAQNEQRDTQLSSGQLG
EKREAKPVSCRAAYRKYMTVPARRSIPNVTKSTGVQTSDDLKKCYQTFPLDRKKGNLKSPLAADPFKSQN
NGFLTDAKEKNEAGPMEEARPCGAGRVHKTALVFHSNQHMNTVDQPLGVNCTEPCKSPEPLSYGEAAL
Q
NSTRPPSEEPDYQLLGRAKQDRGRPNSEEPAPPALRRVFKTEVATVYAPALSARAPEPGLSDSAAASQWS
LCPADDERRRATHLNLQAPSETALACSPPMQCLSPECSEQPSQTHTPPGLGNQPSPTAVAAGEECQRIV
PHTEVVDLKAQLQMMENLISSSQETIKVLLGVIQELEGAEHREGLSYRTGQDTANCDTCRNSACIIYSV
ELDFKQQEDKLQPVLRKLHPIEETQVIPSPYSQETYSSTPKQKSKTESKKHGRWKLWFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

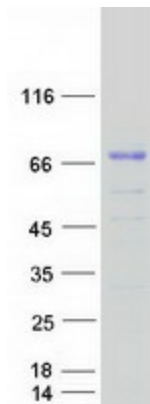
Tag:	C-Myc/DDK
Predicted MW:	52.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq:	<u>NP_001034851</u>
Locus ID:	642938
UniProt ID:	<u>Q6ZSG2</u>
RefSeq Size:	4407
Cytogenetics:	10q26.2
RefSeq ORF:	1437
Synonyms:	C10orf141; FAM196A; INSYN2
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]).