

## Product datasheet for **TP318717**

### **INSYN2A (NM\_001039762) Human Recombinant Protein**

#### Product data:

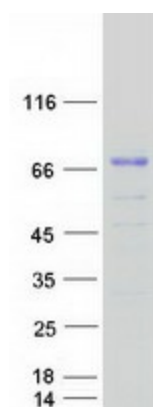
|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human chromosome 10 open reading frame 141 (C10orf141), 20 µg  |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC218717 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)  |
|                                       | <p>MVSKDTGKCILTTSESEVEPAACLALALEMKYALDPNRQIKKRNKALQVRFKDICEAQNEQRDTQLSSGQLG<br/>EKREAKPVSCRAAYRKYMTVPARRSIPNVTKSTGVQTSPLDKKCYQTFPLDRKKGNLKSPLAADPFKSQN<br/>NGFLTDAKEKNEAGPMEEARPCGAGRVHKTALVFHSNQHMNTVDQPLGVNCTEPCKSPEPLSYGEEALQ<br/>NSTRPPSEEPDYQLLGRAKQDRGRPNSEEPAPPALRRVFKTEVATVYAPALSARAPEPGLSDSAAASQWS<br/>LCPADDERRRATHLNLQAPSETALACSPPMQCLSPECSEQPSQTHTPPGLGNQPSPTAVAAGEECQRIV<br/>PHTEVVDLKAQLQMMENLISSSQETIKVLLGVIQELEKGEAHREGLSYRTGQDTANCDTCRNSACIIYSV<br/>ELDFKQQEDKLPVLRKHLPIEETQVIPSPYSQETYSSTPKQKSKTESKKHGRWKLWFL</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p> |
| 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.   |
| RefSeq:                               | <u><a href="#">NP_001034851</a></u>   |



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|               |   |
|---------------|---|
| Locus ID:     | 642938  |
| UniProt ID:   | <a href="#">Q6ZSG2</a>  |
| RefSeq Size:  | 4407  |
| Cytogenetics: | 10q26.2   |
| RefSeq ORF:   | 1437  |
| Synonyms:     | C10orf141; FAM196A; INSN2   |
| 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 INSN2A protein (Cat# TP318717). The protein was produced from HEK293T cells transfected with INSN2A cDNA clone (Cat# [RC218717]) using MegaTran 2.0 (Cat# [TT210002]).