

## Product datasheet for **TP316869L**

### NUMBL (NM\_004756) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human numb homolog (Drosophila)-like (NUMBL), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC216869 representing NM\_004756

**Clone or AA** **Red**=Cloning site **Green**=Tags(s)

**Sequence:**

MSRSAAASGGPRRPERHLPPAPCGAGPPETCRTEPDGAGTMNKLRQSLRRRKPAYVPEASRPHQWQADE  
DAVRKGTCSFPVRYLGHVEVEESRGMHVCEDAVKKLKAMGRKSVKSVLWVSADGLRVDDKTKDLLVDQT  
IEKVSFCAPDRNLDKAFSYICRDGTTRRWICHCFALKDSEGERLSHAVGCAFAACLERKQRREKECGVTA  
AFDASRTSFAREGSFRLSGGGRPAEREAPDKKKAEEAAAPTAVGPAQPGHVSPTATTSPGEKGEAGTP  
VAAGTAAAIPIRRHAPLEQLVRQGSFRGFPALSQKNSPFKRQLSLRLNELPSTLQRRTDFQVKGTVPME  
PPGAGDSDSINALCTQISSSFASAGAPAGPPPATTGTSAWGEPSPVPPAAAFQPGHKRTPSEAERWLEEV  
SQVAKAQQQQQQQQQQQQQQQAASVAVPVTMPPALQFPAPVGPFDAAAPAQVAVFLPPPMMQPPF  
VPAYPLGYPPMPRPVVGITPSQMVANAFCSAAQLQPQPATLLGKAGAFPPPAIPSAAGSARPRPNGA  
PWPPEPAPAPAPELDPFEAQWAALEGKATVEKPSNPFSGDLQKTFEIEL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 64.7 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.

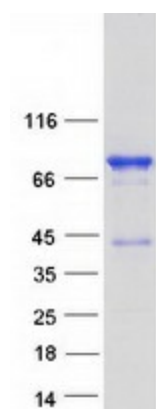


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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_004747</a>
<b>Locus ID:</b>	9253
<b>UniProt ID:</b>	<a href="#">Q9Y6R0</a> , <a href="#">A8K033</a>
<b>RefSeq Size:</b>	3568
<b>Cytogenetics:</b>	19q13.2
<b>RefSeq ORF:</b>	1827
<b>Synonyms:</b>	CAG3A; CTG3a; NBL; NUMB-R; NUMBLIKE; NUMBR; TNRC23
<b>Summary:</b>	Plays a role in the process of neurogenesis. Required throughout embryonic neurogenesis to maintain neural progenitor cells, also called radial glial cells (RGCs), by allowing their daughter cells to choose progenitor over neuronal cell fate. Not required for the proliferation of neural progenitor cells before the onset of embryonic neurogenesis. Also required postnatally in the subventricular zone (SVZ) neurogenesis by regulating SVZ neuroblasts survival and ependymal wall integrity. Negative regulator of NF-kappa-B signaling pathway. The inhibition of NF-kappa-B activation is mediated at least in part, by preventing MAP3K7IP2 to interact with polyubiquitin chains of TRAF6 and RIPK1 and by stimulating the 'Lys-48'-linked polyubiquitination and degradation of TRAF6 in cortical neurons.[UniProtKB/Swiss-Prot Function]

**Protein Pathways:** Notch signaling pathway

### Product images:



Coomassie blue staining of purified NUMBL protein (Cat# [TP316869]). The protein was produced from HEK293T cells transfected with NUMBL cDNA clone (Cat# [RC216869]) using MegaTran 2.0 (Cat# [TT210002]).