

Recombinant Human NUMBL Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NUMBL-900H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NUMBL MS Standard C13 and N15-labeled recombinant protein (NP_004747) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	64.9 kDa
AA Sequence	MSRSAAASGGPRRPERHLPPAPCGAPGPPETCRTEPDGAGTMNKLRQSLRRRKPA AYVPEASRPHQWQADEDAVRKGTCSFPVRYLGHVVEESRGMHVCEDAVKKLKA MGRKSVKSVLWVSADGLRVVDDKTKDLLVDQTIEKVSFCAPDRNLDKAFSYICRDG

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TTRRWICHCF LALKDS GERLSH AVGCAFAAC LERKQR REKECGVTAAFDASRTSFA
 REGSFRLSGGGRPAEREAPDKKKA EAAAAPTVAPGPAQPGHV SPTPATTSPGEKG
 EAGTPVAAGTTAAAIPRRHAPLEQLVRQGSFRGFPALSQKNSPFKRQLSLRLNELPS
 TLQRRTDFQVKGTVP EMEPPGAGDSDSINALCTQISSSFASAGAPAPGPPPATTGT
 SAWGEPVPPAAAFQPGHKRTPSEAERWLEEVSQVAKAQQQQQQQQQQQQQQQ
 QQQQQAASVAPVPTMPPALQFPAPVGPFDAAPAQVAVFLPPPHMQPPFVPAYPG
 LGYPPMPRPVVGITPSQM VANAFC SAAQLQPQPATLLGKAGAFPPPAIP SAPGSQ
 ARPRPNGAPWPPEPAPAPAP ELDPF EAQWAALEGKATVEKPSNPFSGDLQKTFEIE
 LTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name NUMBL NUMB like endocytic adaptor protein [Homo sapiens (human)]

Official Symbol NUMBL

Synonyms NUMBL; numb homolog (Drosophila)-like; numb (Drosophila) homolog like; numb-like protein; CAG3A; CTG3a; NUMB R; NUMBLIKE; NUMBR; TNRC23; numb homolog-like; numb-related protein; NBL; NUMB-R;

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Gene ID	9253
mRNA Refseq	NM_004756
Protein Refseq	NP_004747
MIM	604018
UniProt ID	Q9Y6R0
SDS-PAGE	