

## Recombinant Human NUCB2, His-tagged

**Cat. No.** NUCB2-3689H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Total 92 AA. MW: 10.79 kDa (calculated). N-Terminal His-tag, 10 extra AA (highlighted).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Nucleobindin-2 is a protein that in humans is encoded by the NUCB2 gene. Nucleobindin-2 is a calcium-binding EF-hand protein.
<b>Form</b>	Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 50mM NaCl, Ph 7.5.
<b>Reconstitution</b>	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
<b>Applications</b>	Western blotting
<b>Quality Control Test</b>	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein
<b>Sequences of amino acids</b>	MKHHHHHHAS VPIDIDKTKV QNIHPVESAK IEPDPTGLYY DEYLKQVIDV LETDKHFREK LQKADIEEIK SGRLSKELDL VSHHVRTKLD EL
<b>Storage</b>	Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry

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date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

## GENE INFORMATION

<b>Gene Name</b>	NUCB2 nucleobindin 2 [ Homo sapiens ]
<b>Official Symbol</b>	NUCB2
<b>Synonyms</b>	NUCB2; nucleobindin 2; NEFA; nucleobindin-2; nucleobinding 2; OTTHUMP00000231791; OTTHUMP00000231793; OTTHUMP00000231794; DNA-binding protein NEFA; gastric cancer antigen Zg4
<b>Gene ID</b>	4925
<b>mRNA Refseq</b>	NM_005013
<b>Protein Refseq</b>	NP_005004
<b>MIM</b>	608020
<b>UniProt ID</b>	P80303
<b>Chromosome Location</b>	11p15
<b>Function</b>	DNA binding; calcium ion binding

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