

# Active Recombinant Mouse Neuroblastoma, Suppression Of Tumorigenicity 1, His-tagged

**Cat. No.** Nbl1-5690M    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Nbl1 protein was expressed in Murine myeloma cell line with a C-terminal Ile and 10-His tag. Ala17-Asp178.
<b>Species</b>	Mouse
<b>Source</b>	Mammalian Cells
<b>Protein Length</b>	17-178 a.a.
<b>Description</b>	Nbl1 was initially identified as a gene whose expression is downregulated in src transformed rat fibroblasts. Nbl1 has now been shown to be a prototypical member of the Nbl1 family of secreted glycoproteins that are putative BMP antagonists. Nbl1 family members share a cysteine-rich domain that is structurally related to the cysteine knot motif found in TGFβ superfamily ligands. There are at least five mouse Nbl1 family members, including Nbl1, Gremlin/DRM, Cer1, Dante and PRDC. Additional Nbl1 family members include Xenopus Cerberus, chick Caronte, and C. elegans CeCan 1.
<b>Form</b>	Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein.
<b>N-terminal Sequence</b>	Ala17
<b>Molecular Weight</b>	18.9 kDa

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<b>Activity</b>	Measured by its ability to bind rhBMP4 in a functional ELISA. Immobilized rmNbl1 at 2 µg/mL (100 µL/well) can bind rhBMP4 with a linear range of 0.1-10 ng/mL.
<b>Endotoxin Level</b>	<1.0 EU per 1 µg of the protein by the LAL method.
<b>SDS-PAGE</b>	27-30kDa, reducing conditions.
<b>Purity</b>	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Reconstitution</b>	10 µg/mL in sterile PBS that containing at least 0.1% human or bovine serum albumin.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	Nbl1 neuroblastoma, suppression of tumorigenicity 1 [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Nbl1
<b>Synonyms</b>	Nbl1; neuroblastoma, suppression of tumorigenicity 1; DAN; NO3; Dana; D4H1S1733E; MGC123430; neuroblastoma suppressor of tumorigenicity 1; N03; zinc finger protein DAN
<b>Gene ID</b>	17965
<b>mRNA Refseq</b>	NM_008675
<b>Protein Refseq</b>	NP_032701

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**UniProt ID** Q61477

**Chromosome  
Location** 4 D3; 4 70.0 cM

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