

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

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

SPECIFICATION

Product Overview	Recombinant Mouse Nbl1 protein was expressed in Murine myeloma cell line with a C-terminal Ile and 10-His tag. Ala17-Asp178.
Species	Mouse
Source	Mammalian Cells
Protein Length	17-178 a.a.
Description	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.
Form	Lyophilized from a 0.2 μ m filtered solution in PBS with BSA as a carrier protein.
N-terminal Sequence	Ala17
Molecular Weight	18.9 kDa

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Activity	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.
Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
SDS-PAGE	27-30kDa, reducing conditions.
Purity	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	10 µg/mL in sterile PBS that containing at least 0.1% human or bovine serum albumin.
Storage	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

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

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UniProt ID	Q61477
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Chromosome Location	4 D3; 4 70.0 cM
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