

Recombinant Human Neuroblastoma, Suppression of Tumorigenicity 1

Cat. No. NBL1-1599H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Mammalian Cells
Description	DAN is a secreted glycoprotein related to <i>Xenopus laevis</i> cerberus. It is being referred to also as DAND1 [DAN domain family member 1]. The gene has been described also as NO3 gene, which shows tumor suppressor activity in cells transformed by the src oncogene. DAN belongs to a gene family, termed CAN family, that includes the head-inducing factor Gremlin, Cerberus, PRDC. DAN and several other members of the can family act as antagonists of BMP and appear to block BMP signaling by preventing bone morphogenetic proteins from interacting with their receptors. DAN has recently been demonstrated to have a tumor-suppressive activity in vitro and may have an important role in regulation of the entry of cells into the S phase.
Molecular Weight	The predicted molecular weight of Recombinant Human DAN is Mr 44.3 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 55-65 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.

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Endotoxin	<1.0 EU/g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.
GENE INFORMATION	
Gene Name	NBL1 neuroblastoma, suppression of tumorigenicity 1 [Homo sapiens]
Synonyms	NBL1; neuroblastoma, suppression of tumorigenicity 1; NB; DAN; NO3; DAND1; MGC8972; D1S1733E; neuroblastoma suppressor of tumorigenicity 1; differential screening-selected gene aberrant in neuroblastoma; neuroblastoma candidate region, suppression of tumorigenicity 1; Neuroblastoma suppressor of tumorigenicity 1; Zinc finger protein DAN; DAN domain family member 1
Gene ID	4681
mRNA Refseq	NM_005380
Protein Refseq	NP_005371
MIM	600613
UniProt ID	P41271
Chromosome Location	1p36.3-p36.2