Human NBL1/DAND1 (His Tag) recombinant protein

Catalog Number: 504542

General Information

Gene Name Synonym

DAN domain family member 1; Protein N03; Zinc finger protein DAN

Protein Construction

A DNA sequence encoding the human DAN precursor (NP_005371.1) (Met 1-Asp 180) was expressed with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit BMP4 induced activity in MC3T3-E1 Mouse osteoblastic cells. The ED_{50} for this effect is typically 5-20 µg/ml in the presence of 50 ng/mL of recombinant human BMP4.

Purity

> 98 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70 $^{\circ}\mathrm{C}$

Predicted N terminal

Ala 16 **Molecular Mass**

The recombinant human DAN consists of 176 amino acids and has a calculated molecular mass of 19.3 kDa. As a result of glycosylation, rh DAN migrates as an approximately 27 kDa protein in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4 1.5 % trehalose and mannitol are added as protectants before lyophilization. 2. Please contact us for any concerns or special requirements.

Usage Guide

Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE

KDa	М	
116	-	
66.2	-	
45.0	-	
35.0	-	
25.0	-	-
18.4	-	
14.4	_	

Human NBL1 / DAND1 / DAN Protein (His Tag) SDS-PAGE

