

# Human NBL1/DAND1 (Fc Tag) recombinant protein



Catalog Number: 504527

## 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 C-terminal fused Fc region of human IgG1.

### 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<sub>50</sub> for this effect is typically 0.2-1.2 µg/ml in the presence of 50 ng/mL of recombinant human BMP4.

### Purity

> 90 % 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°C

### Predicted N terminal

Ala 16

## Molecular Mass

The recombinant human DAN/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 403 amino acids and has a calculated molecular mass of 44.4 kDa. As a result of glycosylation, rh DAN/Fc monomer migrates as an approximately 55-60 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

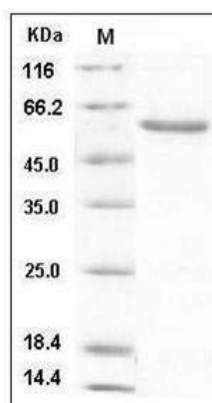
### Storage

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



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