



Recombinant Protein Technical Manual
Recombinant Mouse NBL1/DAND1 Protein (His Tag)
RPES2401

Product Data:

Product SKU: RPES2401

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: Q61477

Protein Information:

Molecular Mass: 18.4 kDa

AP Molecular Mass: 25-28 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: DAND1; NBL1; DAN domain family member 1; neuroblastoma suppressor of tumorigenicity 1; Protein N03; suppression of tumorigenicity 1 ; DAN; Dana

Immunogen Information:

Sequence: Ala17-Asp178

Background:

Differential screening-selected gene aberrative in neuroblastoma (DAN) is a member of the DAN family of secreted glycoproteins. DAN family antagonists are characterized by a DAN domain that contains a cystine knot motif which is essential for binding to BMP ligands. Members of this family include DAN, gremlin, protein related to DAN and cerberus (PRDC), cerberus, sclerostin (SOST) and uterine sensitization-associated gene 1 protein, and control diverse processes in growth, development and the cell cycle. It has also been reported that DAN family plays crucial role in early mouse embryo development by inhibiting the action of bone morphogenic proteins and modulating the action of transforming growth factor- β superfamily members. DAN is synthesized by small-to intermediate-sized DRG neurons and transported to the sensory nerve terminals in the skin or to the sensory nerve terminals in the dorsal horn. It has been reported that DAN is ubiquitously expressed in adult rat and human tissues. Morphological studies have revealed that, in adult rat, DAN mRNA is expressed ubiquitously in lung and brain, but not in liver.