

## PRODUCT DATA SHEET

### Osteoactivin/GPNMB Human (HEK), Sheep Polyclonal Antibody

**Cat. No.:** RD184170100

**Size:** 0.1 mg

**Source of Antigen:** HEK293

**Type:** Polyclonal Antibody

**Host:** Sheep

#### Other Names:

#### Preparation:

The antibody was raised in sheep by immunization with the recombinant Human Osteoactivin.

#### Amino Acid Sequence of Immunogen:

Total 477 AA (whole extracellular domain Ala 22 – Pro 486). MW: 53.7 kDa (calculated), migrates at ~ 97 kDa on SDS-PAGE; C-terminal linker (Lys, Leu) and 10× His-tag (10 extra AA highlighted).

AKRFHDVLGN ERPSAYMREH NQLNGWSSDE NDWNEKLYPV WKRGDMRWKN  
SWKGGRVQAV LTSDSPALVG SNITFAVNLI FPRCQKEDAN GNIVYEKNCR NEAGLSADPY  
VYNWTAWSED SDGENGTGQS HHNVFPDGKP FPHHPGWRRW NFIYVFHTLG  
QYFQKLGRCV VRVSVNTANV TLGPQLMEVT VYRRHGRAYV PIAQVKDVYV VTDQIPVFVT  
MFQKNDRNSS DETFLKDLPI MFDVLIHDPS HFLNYSTINY KWSFGDNTGL FVSTNHTVNH  
TYVLNGTFSL NLTVKAAAPG PCPPPPPPPR PSKPTPSLAT TLKSYDSNTP GPAGDNPLEL  
SRIPDENCQI NRYGHFQATI TIVEGILEVN IIQMTDVLMP VPWPSSLID FVVCQGSIP  
TEVCTIISDP TCEITQNTVC SPVDVDEMCL LTVRRTFNGS GTYCVNLTLG DDTSLALTST  
LISVPKLHHH HHHHHHH

#### Purification Method:

Immunoaffinity chromatography on a column with immobilized recombinant Human Osteoactivin.

#### Species Reactivity:

Human. Not yet tested in other species.

#### Antibody Content:

0.1 mg (determined by BCA method, BSA was used as a standard)

#### Formulation:

The antibody is lyophilized in 0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2. **\*\*AZIDE FREE\*\***.

#### Reconstitution:

Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.

**Shipping:**

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

The lyophilized antibody remains stable and fully active until the expiry date when stored at  $-20^{\circ}\text{C}$ . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at  $-80^{\circ}\text{C}$ . Reconstituted antibody can be stored at  $4^{\circ}\text{C}$  for a limited period of time; it does not show decline in activity after one week at  $4^{\circ}\text{C}$ .

**Quality Control:**

Indirect ELISA – to determine titer of the antibody

SDS PAGE – to determine purity of the antibody

BCA - to determine quantity of the antibody

**Applications:**

ELISA, Immunohistochemistry, Western blotting

**Note:**

This product is for research use only.