Datasheet for ABIN2722179

# Osteoactivin Protein (GPNMB) (Transcript Variant 1) (Myc-DYKDDDDK Tag)

1 Image | 1 Publication

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## Overview

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| Quantity: | 20 µg |
| Target: | Osteoactivin (GPNMB) |
| Protein Characteristics: | Transcript Variant 1 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Osteoactivin protein is labelled with Myc-DYKDDDDK Tag. |
| Application: | Antibody Production (AbP), Standard (STD) |

## Product Details

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| Characteristics: | • Recombinant human GPNMB / HGFIN (transcript variant 1) protein expressed in HEK293 cells.<br>• Produced with end-sequenced ORF clone |
| Purity: | > 80 % as determined by SDS-PAGE and Coomassie blue staining |

## Target Details

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| Target: | Osteoactivin (GPNMB) |
| Alternative Name: | Gpnmb,hgfin (GPNMB Products) |
| Background: | The protein encoded by this gene is a type I transmembrane glycoprotein which shows homology to the pMEL17 precursor, a melanocyte-specific protein. GPNMB shows expression in the lowly metastatic human melanoma cell lines and xenografts but does not show |

## Target Details

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| | expression in the highly metastatic cell lines. GPNMB may be involved in growth delay and reduction of metastatic potential. Two transcript variants encoding different isoforms have been found for this gene. |
| Molecular Weight: | 61.5 kDa |
| NCBI Accession: | NP_001005340 |

## Application Details

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| Application Notes: | Recombinant human proteins can be used for:<br>Native antigens for optimized antibody production<br>Positive controls in ELISA and other antibody assays |
| Comment: | The tag is located at the C-terminal. |
| Restrictions: | For Research Use only |

## Handling

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| Concentration: | 50 µg/mL |
| Buffer: | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol. |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended. |

## Publications

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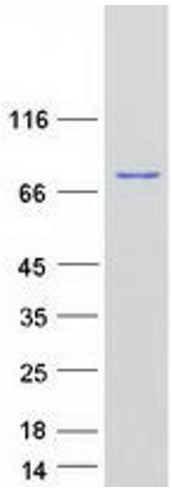
| Product cited in: | Dunning, McGauran, Willén, Gouras, OConnell, Linse: "Direct High Affinity Interaction between Aβ42 and GSK3α Stimulates Hyperphosphorylation of Tau. A New Molecular Link in Alzheimer's Disease?" in: **ACS chemical neuroscience**, Vol. 7, Issue 2, pp. 161-70, (2016) (PubMed). |




**Western Blotting**

**Image 1.** Validation with Western Blot