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## Product Datasheet

### Rat Osteopontin protein, His tag (active), Unconjugated GTX00349-PRO

Artikelname	Rat Osteopontin protein, His tag (active), Unconjugated
Artikelnummer	GTX00349-PRO
Hersteller Artikelnummer	GTX00349-pro
Alternativnummer	GTX00349-PRO-10
Hersteller	GeneTex
Kategorie	Proteine/Peptide
Applikation	FA
Spezies Reaktivität	Rat
Konjugation	Unconjugated
NCBI	<a href="#">25353</a>
UniProt	<a href="#">P08721</a>
Puffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	HEK293 cells
Formulierung	Lyophilized powder
Sequenz	N-terminal His-Tag, Leu17~Asn317 (NP_037013.2)

Anwendungsbeschreibung

Osteopontin (OPN), a multifunctional phosphorylated glycoprotein, plays an important role in neutrophil recruitment and was found to induce the expression of proinflammatory chemokines including MCP-1 and MIP-1beta which promote migration and recruitment of inflammatory cells. It has been reported that OPN induces MCP-1 expression through the NF-kappa B pathways in MCF-7 breast cancer cell line. Briefly, MCF-7 cells were seeded overnight at a density of  $1 \times 10^5$  cells/ml, and treated with or without various concentrations of OPN for 24h and MCP-1 levels in the cell supernatant were determined by ELISA. MCP-1 levels in the cell supernatant of MCF-7 cells increased significantly after stimulated with OPN.