

## Product Datasheet

# Radox - Matrix Metalloproteinase-9 (MMP-9) (RCP9310)

|                          |  |
|--------------------------|--|
| <b>Description</b>       | Matrix metalloproteinases are a family of zinc and calciumdependent endopeptidases, which degrade extracellular matrix proteins. MMP-9 is secreted as a 92kDa zymogen. Cleavage of pro-MMP-9 results in the active enzyme with a molecular weight of ~82kDa. MMP-9 has a gelatinbinding domain consisting of three fibronectin type II units, a catalytic domain containing the zinc-binding site, a proline-rich type V collagen-homologous domain and a hemopexin-like domain. MMP9 is produced by monocytes, macrophages, neutrophils, keratinocytes, fibroblasts, osteoclasts and endothelial cells, and is involved in inflammatory responses, tissue remodelling, wound healing, tumour growth and metastasis. |
| <b>Preservatives</b>     | 20 mM Tris HCl pH 8, 50% Glycerol  |
| <b>Form/Appearance</b>   | Liquid   |
| <b>Storage</b>           | at -20 °C  |
| <b>Tag</b>               | N terminal containing a HIS tag  |
| <b>Note</b>              | For research use only  |
| <b>Application notes</b> | ELISA, Western Blotting, etc.  |
| <b>Purity</b>            | > 95 %, by SDS-PAGE under reducing conditions  |
| <b>Source</b>            | E.coli -derived human recombinant protein  |
| <b>MW</b>                | 42.03 kDa  |
| <b>Uniprot ID</b>        | <b>P14780</b>  |
| <b>Expiration Date</b>   | 6 months from date of receipt.   |

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# RANDOX

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