

# Recombinant Human Osteoprotegerin (OPG/OCIF)








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

Rev. 1.00

|                                       |   |
|---------------------------------------|---|
| <b>Catalog Number:</b>                | PHC1684   |
| <b>Quantity:</b>                      | 50 µg   |
| <b>Lot Number:</b>                    | See product label.  |
| <b>Molecular Weight:</b>              | 20.0 kDa, 174 amino acid residues.  |
| <b>Purity:</b>                        | ≥98% by SDS-PAGE and HPLC analyses.   |
| <b>Biological Activity:</b>           | Determined by its ability to neutralize the stimulation of U937 cells treated with 10 ng/mL of soluble RANKL. OPG is a member of the TNF receptor superfamily which controls bone remodeling and density. OPG decreases osteoclastogenesis and osteoclast activation, thereby increasing bone mineral density and bone volume.  |
| <b>Formulation:</b>                   | Lyophilized from 10 mM Tris, pH 7.5, with 75 mM sodium chloride. Sterile filtered prior to lyophilization.  |
| <b>Endotoxin:</b>                     | <0.1 ng/µg  |
| <b>Production:</b>                    | Produced in <i>E. coli</i> and purified by sequential chromatography.   |
| <b>Reconstitution Recommendation:</b> | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in 5 mM Tris, pH 7.5, to a concentration of 0.1–1.0 mg/mL. <i>Do not vortex</i> . This solution can be stored at 2°C to 8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein, such as 0.1% BSA and store in working aliquots at –20°C to –80°C. |
| <b>Suggested Working Dilutions:</b>   | The optimal concentration should be determined for each specific application.   |
| <b>Storage:</b>                       | The lyophilized protein is stable at room temperature for 1 month, but should be kept at –20°C for long term storage. Working aliquots stored with a carrier protein are stable for at least 3 months at –20°C to –80°C. Avoid repeated freeze/thaw cycles.   |
| <b>Expiration Date:</b>               | See product label.  |

## Explanation of Symbols

The symbols present on the product label are explained below:

| Symbol  | Description   |
|---|---|
|  | Catalog Number  |
|  | Research Use Only   |
|  | Use by  |
|  | Manufacturer  |
|  | Without, does not contain   |
|  | Protect from light  |
|  | Directs the user to consult instructions for use (IFU), accompanying the product. |

| Symbol  | Description                                  |
|---|--|
|  | Batch code                                   |
|  | In vitro diagnostic medical device           |
|  | Temperature limitation                       |
|  | European Community authorized representative |
|  | With, contains                               |
|  | Consult accompanying documents               |

### Limited Use Label License: Research Use Only

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