

## PRODUCT DATA SHEET

### Osteoprotegerin Human Pichia Pastoris

**Cat. No.:** RP1762660050

**Size:** 50 µg

**Source:** Pichia Pastoris

**Type:** Recombinant protein

**Species:** Human

#### Other Names:

OPG, Osteoclastogenesis inhibitory factor, OCIF, TNFRSF11B, Tumor Necrosis Factor Receptor Superfamily Member 11B

#### Description:

Recombinant OPG produced in yeast contains 412 amino acid residues, including 180 residues from mature OPG (a.a 22–201) and 232 residues from the Fc protein of human IgG1, and has a calculated molecular mass of 46.5 kDa. As a result of glycosylation, the recombinant Osteoprotegerin migrates as a 49 kDa protein in SDS-PAGE under reducing conditions. The OPG is purified by proprietary chromatographic techniques.

#### Amino Acid Sequence:

OPG 22–201: ETFPPKYLHYDEET SHQLLCDKCPPGYL KQHCTAKWKTVCAP CPDHYY  
TDSWHTSDECLYC SPVCKELQYVKQEC NRTHNRVCECKEG RYLEIEFCL KHRSCPPGFGVVQ  
AGTPERNVCKRCPDGGF SNETSSKAPCRKHTNCS VFGLLLTQKGNAT HDNICSGNSESTQKCGID  
VTL. Fc232: EPKSSDKLTHCPC PAFEFEGAPSVFLFPPKPKDT LMISRTPEVTCVVVDV  
SHEDPEVKFNWYV DGVEVHNAKTKPRE EQYNSTYRVVSVLTVLHQDW LN GKEYKCKVSNKAL  
PTPIEKTISKAKGQREP QVYTLPPSRDELTKNQVSLTLC LVKGFYPSDIAVE  
WESNGQPENNYKTTTPVLDSDGSF FLYSKLTVDKSRW QQGNVVFSCVMHE ALHNHYTQKSLSLSPGK

#### Purity:

Greater than 90.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

#### Formulation:

OPG was lyophilized from a 0.2µm filtered concentrated (0.5mg/ml) solution in PBS, pH= 7.4.

#### Shipping:

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

#### Storage/Stability:

It is recommended to reconstitute the lyophilized Osteoprotegerin in sterile 18 M<sup>2</sup>-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

