

Recombinant Human Osteoprotegerin Fc Chimera

#R00184

Size: 10 µg/100 µg/500 µg

Stability & Storage

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- 12 months from date of receipt, -20 to -70 °C as supplied.
 - 1 month, 2 to 8 °C under sterile conditions after reconstitution.
 - 3 months, -20 to -70 °C under sterile conditions after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

AA Sequence

ETFPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAK
WKTVCAPCPDHYYTDSWHTSDECLYCSPVCKELQY
VKQECNRTHNRVCECKEGRYLEIEFCLKHRSCPPGF
GVVQAGTPERNTVCKRCPDGFFSNETSSKAPCRKH
TNCVFGLLLTQKGNATHDNICSGNSESTQKCGIDVT
LEPKSSDKTHTCPPCPAPEFEGAPSVFLFPPKPKDTL
MISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
KTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKV
SNKALPTPIEKTISKAKGQPREPQVYTLPPSRDELTKN
QVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVL
DSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALH
NHYTQKSLSLSPGK

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0

mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20°C. Further dilutions should be made in appropriate buffered solutions.

Product Specification

Species	Human
Source	Yeast
Tags	Fc
Molecular Weight	Approximately 109.6 kDa, a disulfide-linked homodimeric protein containing two 412 amino acids.
Purity	> 95 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by neutralizing the stimulation of U937 cells is less than 10 ng/ml, corresponding to a specific activity of > 1.0 × 10 ⁵ IU/mg in the presence of 10 ng/mL soluble rHuRANKL (sRANKL).

Physical	Sterile Filtered White lyophilized
Appearance	(freeze-dried) powder.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 6.0, 150 mM NaCl, 0.02 % Tween-80.
Endotoxin	Less than 1 EU/µg of rHuOPG-Fc as determined by LAL method.