
Product Datasheet

Recombinant Human Osteoprotegerin Fc Chimera (rHuOPG-Fc) (orb1495077)

Description

Osteoprotegerin (OPG) is a member of the TNFR superfamily that can

Endotoxins

Less than 1EU/µg of rHuOPG-Fc as determined by LAL method.

Preservatives

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Form/Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Storage

This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

Note

For research use only

Application notes

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.

Protein Sequence

OPG 22-201:
ETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKTVCAPCPDHYTDSWH
TSDECLYCSPVCKELQYVKQECNRTHNRVCECKEGRYLEIEFCLKHRSCPPGFGV
VQGTPERNTVCKRCPDGFSSNETSSKAPCRKHTNCSVFLLLTQKGNATHDNIC
SGN SESTQKCGIDVTL Fc232:
EPKSSDKTHTCPPCPAPEFEGAPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDP
EVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKV
NKALPTPIEKTKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVE
WESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALH
NHYTQKSLSLSPGK

Source

Escherichia coli.

MW

Recombinant OPG/Fc 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 OPG/Fc migrates as a 49 kDa protein in SDS-PAGE under reducing conditions.

Expiration Date

6 months from date of receipt.