

Osteoprotegerin (OPG) Recombinant Protein | OPG recombinant protein

Recombinant Human Osteoprotegerin, His (OPG Human)

CATALOG # AAA76542	HOST E.Coli	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

Osteoprotegerin (OPG); Recombinant Human Osteoprotegerin; His (OPG Human); OPG recombinant protein

PRODUCT SPECIFICATIONS

Host	E.Coli
Reactivity	Human
Purity/Purification	Greater than 80.0% as determined by: (a)Analysis by RP-HPLC. (b)Analysis by SDS-Page.
Form/Format	The protein was lyophilized from concentrated (1mg/ml) solution with 1X PBS, 0.1% SDS and 1mM DTT.
Sequence Length	401
Applicable Applications for OPG recombinant protein	WB (Western Blot)
Reconstitution	It is recommended to reconstitute the lyophilized Osteoprotegerin in sterile water not less than 100ug/ml, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized Osteoprotegerin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Osteoprotegerin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for OPG recombinant protein	Recombinant Human OCIF produced E.coli cells is a single, non-glycosylated, polypeptide chain containing amino acids 201-401 and having a molecular mass of 31 kDa which includes 4 kDa His tag. The OPG is purified by chromatographic techniques.
Product Categories/Family for OPG recombinant protein	Proteins ; Growth/Differentiation Factors and Small Molecules ; Bone Morphogenetic Proteins (BMPs) /Growth Factors ; OPG
References	1. Effects of hypolipemic drugs on the osteoprotegerin - sRANKL system in patients with coronary artery disease. Thromb Haemost 2007 May;97(5):868-702. Plasma osteoprotegerin levels in the general population: relation to indices of left ventricular structure and function. Hypertension 2007 Jun;49(6):1392-83. The sex-specific association of serum osteoprotegerin and receptor activator of nu clear factor kappaB legend with bone mineral density in older adults: the Rancho Bernardo study. Eur J Endocrinol 2007 May;156(5):555-624. Thyroid hormone deficiency and postmenopausal status independently increase serum osteoprotegerin concentrations in women. Eur J Endocrinol 2007 May;156(5):539-455. Abnormal bone remodeling process is due to an imbalance in the receptor activator of nuclear factor-kappaB ligand (RANKL)/osteoprotegerin (OPG) axis in patients with solid tumors metastatic to the skeleton.Acta Oncol 2007;46(2):221-96. Inhibition of tooth movement by osteoprotegerin vs. pamidronate under conditions of constant orthodontic force. Eur J Oral Sci 2007 Apr;115(2):131-6

NCBI AND UNIPROT INFORMATION

NCBI GI #	2072185
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NCBI GeneID	4982
NCBI Official Full Name	osteoprotegerin
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily member 11b
NCBI Official Symbol	TNFRSF11B
NCBI Official Synonym Symbols	OPG; TR1; OCIF; PDB5
NCBI Protein Information	tumor necrosis factor receptor superfamily member 11B
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 11B
UniProt Gene Name	TNFRSF11B
UniProt Synonym Gene Names	OCIF; OPG
UniProt Entry Name	TR11B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tnfrsf11b-recombinant-protein-e-coli-wb-western-blot/76542>