

HuPro®

TNFRSF11B (Human) Recombinant Protein

Catalog # H00004982-H03

Size 25 ug

Specification

Product Description	Purified TNFRSF11B (AAH30155.1 24 a.a. - 194 a.a.) human recombinant protein with His-Flag-Str eplI tag at N-terminus expressed in human cells.
Transfected Cell Line	Human HEK293H cells
Sequence	FPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKTVCAPCPDHYYTDSWHTSDECLYCSPV CKELQYVKQEENRTHNRVCECKEGRYLEIEFCLKHRSCPPGFGVVQAGTPERNTVCKRCPDGF FSNETSSKAPCRKHTNCSVFGLLLTQKGNATHDNICSGNSESTQK
Host	Human
Theoretical MW (kDa)	24.09
Form	Liquid
Preparation Method	Transfection of pSuper-TNFRSF11B plasmid into HEK293H cell, and the expressed protein was purified by <i>Strep</i> -Tactin affinity column.
Purification	<i>Strep</i> -Tactin affinity columns
Concentration	≥ 10 ug/ml
Storage Buffer	100 mM Tris-HCl pH 8.0, 150 mM NaCl, 1 mM EDTA, and 5 mM desthiobiotin.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay
- SDS-PAGE

- Protein Interaction

Gene Info — TNFRSF11B

Entrez GeneID [4982](#)

GeneBank Accession# [BC030155.1](#)

Protein Accession# [AAH30155.1](#)

Gene Name TNFRSF11B

Gene Alias MGC29565, OCIF, OPG, TR1

Gene Description tumor necrosis factor receptor superfamily, member 11b

Omim ID [239000 602643](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein is an osteoblast-secreted decoy receptor that functions as a negative regulator of bone resorption. This protein specifically binds to its ligand, osteoprotegerin ligand, both of which are key extracellular regulators of osteoclast development. Studies of the mouse counterpart also suggest that this protein and its ligand play a role in lymph-node organogenesis and vascular calcification. Alternatively spliced transcript variants of this gene have been reported, but their full length nature has not been determined. [provided by RefSeq]

Other Designations osteoclastogenesis inhibitory factor|osteoprotegerin

Pathway

- [Cytokine-cytokine receptor interaction](#)

Disease

- [Acute Disease](#)
- [Alveolar Bone Loss](#)
- [Alzheimer disease](#)
- [Arthritis](#)

- [Asthma](#)
- [Body Weight](#)
- [Bone Diseases](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Neuropathies](#)
- [Diarrhea](#)
- [Disease Progression](#)
- [Edema](#)
- [Escherichia coli Infections](#)
- [Femoral Neck Fractures](#)
- [Fractures](#)
- [Gaucher disease](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hip Fractures](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Inflammation](#)
- [Kidney Failure](#)

- [Lupus Erythematosus](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteitis Deformans](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Osteoporotic Fractures](#)
- [Periodontitis](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Prosthesis Failure](#)
- [Scoliosis](#)
- [Spinal Fractures](#)
- [Stroke](#)
- [Thyroid Neoplasms](#)