

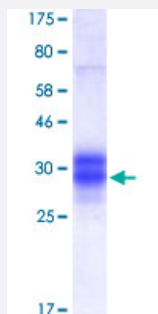
HuPro®

TNFRSF11B (Human) Recombinant Protein

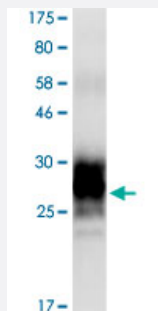
Catalog # H00004982-H01

Size 25 ug

Applications



SDS-PAGE Gel



Western Blot

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 HEK293T cells
Sequence	FPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKTVCAPCPDHYYTDSWHTSDECLYCSPV CKELQYVKQECNRTHNRVCECKEGRYLEIEFCLKHRSCPPGFGVVQAGTPERNTVCKRCPDGF FSNETSSKAPCRKHTNCSVFGLLLTQKGNATHDNICSGNSESTQK
Host	Human
Theoretical MW (kDa)	24.09
Form	Liquid

Preparation Method	Transfection of pSuper-TNFRSF11B plasmid into HEK293T 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
Quality Control Testing	SDS-PAGE and Western Blot SDS-PAGE Gel Western Blot
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](#)