

Recombinant Human TNFRSF11B Protein

Cat. No. TNFRSF11B-829H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TNFRSF11B protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	401
Description	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.
Form	Lyophilized
Molecular Mass	44.4 kDa
AA Sequence	MNNLLCCALVFLDISIKWTTQETFPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAK WKTVCAPCPDHYTDSWHTSDECLYCSPVCKELQYVKQECNRTHNRVCECKEGR YLEIEFCLKHRSCPPGFGVVQAGTPERNVCKRCPDGFFSNETSSKAPCRKHTNCS VFGLLLTQKGNATHDNICSGNSESTQKCGIDVTLCEEAFRFAVPTKFTPNWLSVLV

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DNLPGTKVNAESVERIKRQHSSQEQTFLKLLWKHQNKDQDIVKKIIQDIDLCENSV
QRHIGHANLTFEQLRSLMESLPGKKVGAEDIEKTIKACKPSDQILKLLSLWRIKNGDQ
DTLKGLMHALKHISKTYHFPKTVTQSLKKTIRFLHSFTMYKLYQKLFLEMIGNQVQSVK
ISCL

Purity > 98%

Applications Migration Assay;

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name TNFRSF11B tumor necrosis factor receptor superfamily, member 11b [Homo sapiens (human)]

Official Symbol TNFRSF11B

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Synonyms	TNFRSF11B; tumor necrosis factor receptor superfamily, member 11b; OPG, osteoprotegerin; tumor necrosis factor receptor superfamily member 11B; OCIF; TR1; osteoprotegerin; osteoclastogenesis inhibitory factor; OPG; MGC29565;
Gene ID	4982
mRNA Refseq	NM_002546
Protein Refseq	NP_002537
MIM	602643
UniProt ID	O00300

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