

Recombinant mouse RANKL protein ab51941

画像数 1

製品の詳細

製品名	Recombinant mouse RANKL protein		
生理活性	Measured by its ability to induce osteoclast formation in RAW264.7 cells using a concentration of 5-10 ng/ml.		
精製度	>= 98 % SDS-PAGE. >98% by SDS-PAGE and HPLC analyses.		
発現系	Escherichia coli		
アクセッション番号	<u>O35235</u>		
タンパク質長	Protein fragment		
Animal free	No		
由来	Recombinant		
生物種	Mouse		
配列	PAMMEGSWLD VAQRGKPEAQ PFAHLTINAA SIPSGSHKVT LSSWYHDRGW AKISNMTLSN GKLRVNQDGF YYLYANICFR HHETSGSVPT DYQLMVYVV KTSIKIPSSH NLMKGGSTKN WSGNSEFHFY SINVGGFFKL RAGEEISIQV SNPSLLDPDQ DATYFGAFKV QDID		
予測される分子量	19 kDa		
実際の分子量	19 kDa		
配列の追加情報	Soluble Receptor Activator of NFkB Ligand		

特性

Our **Abpromise guarantee** covers the use of **ab51941** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	SDS-PAGE Functional Studies
製品の状態	Lyophilized
備考	This product is manufactured by BioVision, an Abcam company and was previously called 4557 sRANK Ligand, murine recombinant. 4557-10 is the same size as the 10 µg size of ab51941.

The reconstituted solution can be diluted into aqueous buffers and stored at 4°C for 1 week or –20°C for future use.

Endotoxin level is <0.1 ng/μg of sRANK Ligand

前処理および保存

保存方法および安定性

Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Constituents: 0.0605% Tris, 0.435% Sodium chloride

This product is an active protein and may elicit a biological response in vivo, handle with caution.

再構成

Reconstitute in sterile distilled water to a concentration of 0.1-1.0 mg /ml.

関連情報

機能

Cytokine that binds to TNFRSF11B/OPG and to TNFRSF11A/RANK. Osteoclast differentiation and activation factor. Augments the ability of dendritic cells to stimulate naive T-cell proliferation. May be an important regulator of interactions between T-cells and dendritic cells and may play a role in the regulation of the T-cell-dependent immune response. May also play an important role in enhanced bone-resorption in humoral hypercalcemia of malignancy.

組織特異性

Highest in the peripheral lymph nodes, weak in spleen, peripheral blood Leukocytes, bone marrow, heart, placenta, skeletal muscle, stomach and thyroid.

関連疾患

Defects in TNFSF11 are the cause of osteopetrosis autosomal recessive type 2 (OPTB2) [MIM:259710]; also known as osteoclast-poor osteopetrosis. Osteopetrosis is a rare genetic disease characterized by abnormally dense bone, due to defective resorption of immature bone. The disorder occurs in two forms: a severe autosomal recessive form occurring in utero, infancy, or childhood, and a benign autosomal dominant form occurring in adolescence or adulthood. Autosomal recessive osteopetrosis is usually associated with normal or elevated amount of non-functional osteoclasts. OPTB2 is characterized by paucity of osteoclasts, suggesting a molecular defect in osteoclast development.

配列類似性

Belongs to the tumor necrosis factor family.

翻訳後修飾

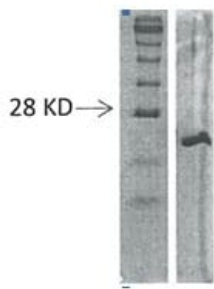
The soluble form of isoform 1 derives from the membrane form by proteolytic processing (By similarity). The cleavage may be catalyzed by ADAM17.

細胞内局在

Cytoplasm; Secreted and Cell membrane.

画像

sRANKL protein (ab51941) used in SDS-PAGE.



SDS-PAGE - Recombinant Mouse RANKL protein
(ab51941)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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