

RANKL/TNFSF11/TRANCE/CD254, Human, Recombinant

货号：PCK057

产品信息

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| 别名 | soluble Receptor Activator of NF- κ B Ligand, TNFSF11, TRANCE (TNF-Related Activation-induced Cytokine), OPGL, ODF (Osteoclast Differentiation Factor), CD254,sRNAK Ligand |
| 物种 | Human |
| 表达宿主 | E.coli |
| 序列信息 | MEKAMVDGSWLDLAKRSKLEAQPFAHLTINATDIPSGSHKVSLSSWYHDR GWAKISNMTFSNGKLIVNQDGFYYLYANICFRHHETSGDLATEYQLQLMVY VTKTSIKIPSSHTLMKGGSTKYWSGNSEFHFYSINVGGFFKLRSGEEISIEVSN PSLLDPDQDATYFGAFKVRDID with polyhistidine tag at the C-terminus. |
| 检索号 | O14788.1 |
| 分子量 | 20.67 kDa |
| 标签 | His-tag at the C-terminus |
| 生物活性 | Measure by its ability to induce osteoclast differentiation in RAW264.7 cells. The ED50 for this effect is <10 ng/mL. |

产品特性

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| 纯度 | >98% as determined by SDS-PAGE. Ni-NTA chromatography |
| 内毒素 | <0.1 EU per 1 μ g of the protein by the LAL method. |
| 保存 | Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g.0.1% BSA,10%FBS,5%HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months. |
| 运输 | Ambient temperature or ice pack. |
| 制剂 | The protein was lyophilized from a 0.2 μ m filtered solution containing 1X PBS, pH 8.0. |



复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 $\mu\text{g/mL}$. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

RANKL and RANK are members of the TNF superfamily of ligands and receptors that is critical for the regulation of specific immunity and bone turnover. RANK receptor was originally identified as a dendritic cell-membrane protein, which, by interacting with RANKL, augments the ability of dendritic cells. These dendritic cells then stimulate naïve T-cell proliferation in a mixed lymphocyte reaction, promote the survival of RANK+ T-cells, and regulate T-cell-dependent immune response. RANKL, which is expressed in a variety of cells, including osteoblasts, fibroblasts, activated T-cells and bone marrow stromal cells, is also capable of interacting with a decoy receptor called OPG.

SDS-PAGE

