Recombinant Human NELL2 Protein (His Tag)

Catalog Number: PKSH030717

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

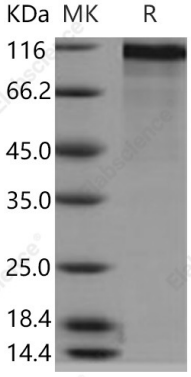
Description

Species	Human
Source	Baculovirus-Insect Cells-derived Human NELL2 protein Met 1-Leu 816, with an C-terminal His
Calculated MW	90.4 kDa
Observed MW	110 kDa
Accession	Q99435
Bio-activity	Not validated for activity

Properties

Purity	> 87% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 7.4, 10% glycerol Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 87 % as determined by reducing SDS-PAGE.

Background

OX-40 L, also known as TNFSF4 and CD252, is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. OX-40 L is an important costimulatory molecule that plays a crucial role in the regulation of T-cell-mediated immunity. The interaction of TNFSF4-TNFSF4 is involved in the pathogenesis of multiple autoimmune and inflammatory diseases such as systemic lupus erythematosus (SLE), carotid artery disease and cancer. OX-40 L is a ligand for receptor TNFRSF4/OX4. It is found to play a role in T cell antigen-presenting cell (APC) interactions. In surface Ig- and CD40-stimulated B cells, this cytokine along with CD70 has been shown to provide CD28-independent costimulatory signals to T cells. This protein and its receptor are reported to directly mediate adhesion of activated T cells to vascular endothelial cells.

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