Recombinant Mouse CD40/TNFRSF5 Protein (His & Fc Tag)(Active)

Catalog Number:PKSM040734

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

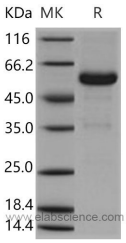
Description

Synonyms	Tumor necrosis factor receptor superfamily member 5; B-cell surface antigen CD40; Bp50; CD40L receptor; CD40; TNFRSF5;I326936;HIGM1; IGM; IMD3; p50; T-BAM; Tnfrsf5; TRAP
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Met 1-Arg 193
Accession	P27512-1
Calculated Molecular Weight	47 kDa
Observed molecular weight	57 kDa
Tag	C-His-Fc
Bioactivity	Measured by its ability to bind recombinant human CD40L in a functional ELISA.

Properties

Purity	> 90 % as determined by SDS-PAGE
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	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℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4
Reconstitution	Please refer to the printed manual for detailed information.

Data



Background

CD40, also known as TNFRSF5, is a member of the TNF receptor superfamily which are single transmembrane-spanning glycoproteins. CD40 protein plays an essential role in mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. CD40 protein is expressed in B cells, dendritic cells, macrophages, endothelial cells, and several tumor cell lines. Defects in CD40 result in hyper-IgM immunodeficiency type 3 (HIGM3). In addition, CD40/CD40L interaction is found to be necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis.

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: www.elabscience.com Email: techsupport@elabscience.com