

RPES8310

Product Information

Product SKU:	RPES8310	Expression Host:	Mammalian	Size:	20µg
Tag:	C-Fc	Reactivity:	Human	Accession:	P25942

Additional Information

Calculated MW:	43.9 kDa	Observed MW:	55 kDa
Sequence:	Glu21-Arg193		

Protein Information

Background: This gene is a member of the TNF-receptor superfamily. The encoded protein is a receptor on antigen-presenting cells of the immune system and is essential for mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. AT-hook transcription factor AKNA is reported to coordinately regulate the expression of this receptor and its ligand, which may be important for homotypic cell interactions. Adaptor protein TNFR2 interacts with an this receptor and serves as a mediator of the signal transduction. The interaction of this receptor and its ligand is found to be necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis. Mutations affecting this gene are the cause of autosomal recessive hyper-IgM immunodeficiency type 3 (HIGM3). Multiple alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

Synonyms: AI326936, B cell associated molecule CD40, B cell surface antigen CD40, B cell-associated molecule, B-cell surface antigen CD40, Bp50, CD 40, CD40, CD40 antigen (TNF receptor superfamily member 5), CD40 antigen, CD40 molecule, CD40 molecule, TNF receptor superfamily member 5, CD40 protein, CD40 type II isoform, CD40L receptor, CDw40, GP39, HIGM1, IGM, IMD3, MGC9013, Nerve growth factor receptor related B lymphocyte activation molecule, OTTHUMP00000031699,

OTTHUMP00000031700, p50, T-BAM, TBAM, TNF receptor superfamily member 5, TNFRSF5, TNFR5, TRAP, Tumor necrosis factor receptor superfamily, member 5, Tumor necrosis factor receptor superfamily member 5, Tumor necrosis factor receptor superfamily member 5 precursor, Tumor necrosis factor receptor superfamily, member 5, isoform CRA_a

Endotoxin:	< 1.0 EU/mg of the protein as determined by the LAL method
Formulation:	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Purity:	> 90% as determined by reducing SDS-PAGE.
Bio-Activity:	Not validated for activity
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.