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**Recombinant Mouse CD40 Protein (His &Fc Tag)**

**Cat.NO.: TP07787**

3th Edition

**Synonyms:**Al326936 Protein, Mouse;Bp50 Protein, Mouse;GP39 Protein, Mouse;HIGM1 Protein, Mouse;IGM Protein, Mouse;IMD3 Protein, Mouse;p50 Protein, Mouse;T-BAM Protein, Mouse;Tnfrsf5 Protein, Mouse;TRAP Protein, Mouse

**Description:**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.

**Form:**PBS

**Molecular Weight:**47 kDa

**Sequences:**Met 1-Arg 193

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.