

## CD40 Protein, Mouse (Biotinylated , HEK293, His-Avi)

Cat. No.:	HY-P74298
Synonyms:	Tumor Necrosis Factor Receptor Superfamily member 5; Bp50; CD40L Receptor; CDw40; TNFRSF5
Species:	Mouse
Source:	HEK293
Accession:	P27512 (M1-R193)
Gene ID:	21939
Molecular Weight:	Approximately 22.5 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	CD40 Protein serves as the receptor for TNFSF5/CD40LG, transducing signals through TRAF6 and MAP3K8 pathways to activate ERK in macrophages and B cells, resulting in the induction of immunoglobulin secretion. Existing in both monomeric and homodimeric forms, CD40 Protein interacts with TRAF1, TRAF2, TRAF3, TRAF5, and TRAF6, playing a crucial role in mediating cellular responses to external signals. The interaction with TRAF6 and MAP3K8 is particularly essential for the activation of ERK and subsequent cellular processes.
------------	--

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA