

Product datasheet for **TP306540M**

B7-1 (CD80) (NM_005191) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human CD80 molecule (CD80), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC206540 protein sequence
Red=Cloning site **Green**=Tags(s)

MGHTRRQGTSPSKCPYLNFFQLLVLAGLSHFCSGVIHVTKVKEVATLSCGHNVSVEELAQTRIWQKEK
KMLVTMMSGDMNIWPEYKNRTIFDITNNLSIVILALRPSDEGTYESVWLKYEKDAFKREHLAEVTLVKA
DFPTPSISDFEIPTSNIRRIICSTSGGFPEPHLSWLENGEELNAINTTVSQDPETELYAVSSKLDNFNMTT
NHSFMCLIKYGHLRVNQTFNWNTTKQEHFPDNLPSWAITLISVNGIFVICCLTYCFAPRCRERRRRNERL
RRESVRPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 29.3 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_005182](#)

Locus ID: 941



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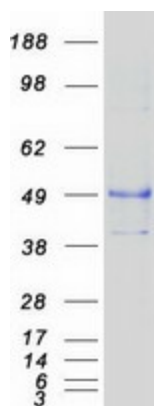
UniProt ID: [P33681](#), [A0N0P2](#)
RefSeq Size: 2757
Cytogenetics: 3q13.33
RefSeq ORF: 864
Synonyms: B7; B7-1; B7.1; BB1; CD28LG; CD28LG1; LAB7

Summary: The protein encoded by this gene is a membrane receptor that is activated by the binding of CD28 or CTLA-4. The activated protein induces T-cell proliferation and cytokine production. This protein can act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy. [provided by RefSeq, Aug 2011]

Protein Families: Druggable Genome, Transcription Factors, Transmembrane

Protein Pathways: Allograft rejection, Autoimmune thyroid disease, Cell adhesion molecules (CAMs), Graft-versus-host disease, Systemic lupus erythematosus, Toll-like receptor signaling pathway, Type I diabetes mellitus, Viral myocarditis

Product images:



Coomassie blue staining of purified CD80 protein (Cat# [TP306540]). The protein was produced from HEK293T cells transfected with CD80 cDNA clone (Cat# [RC206540]) using MegaTran 2.0 (Cat# [TT210002]).