

Product datasheet for PH306540

B7-1 (CD80) (NM_005191) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CD80 MS Standard C13 and N15-labeled recombinant protein (NP_005182)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206540
Predicted MW:	33 kDa
Protein Sequence:	>RC206540 protein sequence Red=Cloning site Green=Tags(s) MGHTRRQGTSPSKCPYLNFFQLLVLAGLSHFCSGVIHVTKVKEVATLSCGHNVSVVEELAQTRIIYWQKEK KMVLTMMSGDMNIWPEYKNRTIFDITNNLSIVILALRPSDEGTYECVVLKYEKDAFKREHLAEVTL SVKA DFPTPSISDFEIPTSNIRRIICSTSGGFPEPHLSWLENGEELNAINTTVSQDPETELYAVSSKLDNFNMTT NHSFMCLIKYGHLRVNQTFNWNNTTKQEHFPDNLPSWAITLISVNGIFVICCLTYCFAPRCRERRRNERL RRESVRPV TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005182
RefSeq Size:	2757
RefSeq ORF:	864
Synonyms:	B7; B7-1; B7.1; BB1; CD28LG; CD28LG1; LAB7
Locus ID:	941



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UniProt ID: [P33681](#), [A0NOP2](#)

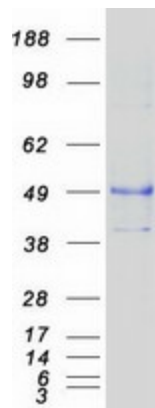
Cytogenetics: 3q13.33

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]).