

Product datasheet for PH315291

B7H3 (CD276) (NM_025240) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CD276 MS Standard C13 and N15-labeled recombinant protein (NP_079516)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215291
Predicted MW:	33.6 kDa
Protein Sequence:	>RC215291 representing NM_025240 Red=Cloning site Green=Tags(s)

MLRRRGSPGMGVHGAALGALWFCLTGALEVQVPEDPVVALVGTDATLCCSFSPPEGFSLAQLNLIWQLT
DTKQLVHSFAEGQDQGSAYANRTALFPDLLAQGNASRLRQVRVADEGSFTCFVSIIRDFGSAAVSLQVAA
PYSKPSMTLEPNKDLRPGDVTITICSSYRGYPEAEVFWQDGGVPLTGNVTTSQMANEQGLFDVHSVLRV
VLGANGTYSCLVRNPVLQQDAHGSVTITGQPMTFPPEALWVTVGLSVCLIALVALAFVCWRKIKQSCEE
ENAGAEDQDGEGEGSKTALQPLKHSKEDDGGQEIA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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:	<u>NP_079516</u>
RefSeq Size:	2765
RefSeq ORF:	948
Synonyms:	4lg-B7-H3; B7-H3; B7H3; B7RP-2
Locus ID:	80381



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UniProt ID: [Q5ZPR3](#), [Q5ZPR3-2](#)

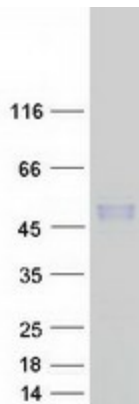
Cytogenetics: 15q24.1

Summary: The protein encoded by this gene belongs to the immunoglobulin superfamily, and thought to participate in the regulation of T-cell-mediated immune response. Studies show that while the transcript of this gene is ubiquitously expressed in normal tissues and solid tumors, the protein is preferentially expressed only in tumor tissues. Additionally, it was observed that the 3' UTR of this transcript contains a target site for miR29 microRNA, and there is an inverse correlation between the expression of this protein and miR29 levels, suggesting regulation of expression of this gene product by miR29. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)

Product images:



Coomassie blue staining of purified CD276 protein (Cat# [TP315291]). The protein was produced from HEK293T cells transfected with CD276 cDNA clone (Cat# [RC215291]) using MegaTran 2.0 (Cat# [TT210002]).