

Product datasheet for **TP315291M**

B7H3 (CD276) (NM_025240) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human CD276 molecule (CD276), transcript variant 2, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC215291 representing NM_025240

Red=Cloning site **Green**=Tags(s)

MLRRRGSPGMGVHVGAAALGALWFCLTGALEVQVPEDPWALVGTDATLCCSFSPPEPGFSLAQLNLIWQLT
DTKQLVHSAEGQDQGSAYANRTALFPDLLAQGNASRLRQRVVADEGSFTCFVSIRDGSAAVSLQVAA
PYSKPSMTLEPNKDLRPGDVTITCSSYRGYPEAEVFWQDGQGVPLTGNVTTSQMANEQGLFDVHSLVRV
VLGANGTYSCLVRNPVLQQDAHGSVTITGQPMTFPEALWVTVGLSVCLIALLVALAFVCWRKIKQSCEE
ENAGAEDQDGE GEGSKTALQPLKHSKEDDGGQEIA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 33.6 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_079516](#)

Locus ID: 80381



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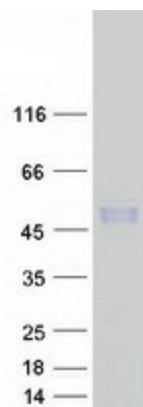
UniProt ID: [Q5ZPR3](#), [Q5ZPR3-2](#)
RefSeq Size: 2765
Cytogenetics: 15q24.1
RefSeq ORF: 948
Synonyms: 4lg-B7-H3; B7-H3; B7H3; B7RP-2

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]).