

PRODUCT DATA SHEET



Complex Biotech Co., Ltd

CD276 Recombinant Protein

Catalog: BCP3329

Host: E.coli

Tag: His-tag

BackGround:

B7 homolog 3 (B7-H3, CD276) is a member of the B7 family of cell surface ligands that regulate T cell activation and immune responses. B7-H3 protein contains two extracellular Ig-like V-type domains and two IgG-like C2-type domains, a transmembrane domain, and a short intracellular domain. Early research examining the biological process of B7-H3 suggested that B7-H3 is a positive regulator of T cell response. Subsequent research studies indicated that B7-H3 is a negative regulator of T cell response, and that the protein inhibits T cell proliferation. One possibility is that B7-H3 interacts with two distinct sets of receptors, resulting in seemingly opposite biological outcomes. B7-H3 is expressed by antigen presenting cells, activated T cells, and a few normal tissues, including placenta and prostate. Expression of B7-H3 is seen in several cancer types, including prostate, breast, colon, lung, and gastric cancers, and in endothelial cells from tumor associated vasculature.

Product:

PBS, 4M Urea, PH7.4

Molecular Weight:

~48kDa

Swiss-Prot:

Q5ZPR3

Purification&Purity:

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Restriction Sites:

NdeI-XhoI

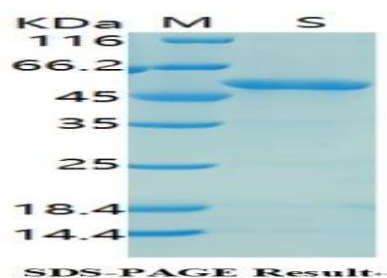
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Expression Vector:

pet-22b(+)

DATA:



Note:

For research use only, not for use in diagnostic procedure.