

For Research Use Only

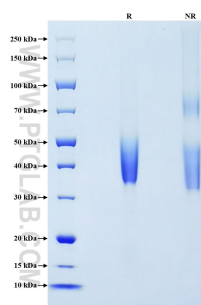
Recombinant Human B7-H3/CD276 protein (Myc Tag, His Tag)



Catalog Number: Eg0075

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: Myc Tag, His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human B7-H3 protein Leu29-Pro245 (Accession# Q5ZPR3-2) with a Myc tag and His tag at the C-terminus.</p> <p>GeneID: 80381</p> <p>Accession: Q5ZPR3-2</p> <p>Predicted Molecular Mass: 28.3 kDa</p> <p>SDS-PAGE: 34-50 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>B7-H3 (CD276) is a type I transmembrane protein that belongs to the B7 immunoregulatory family. B7-H3 participates in the regulation of T-cell-mediated immune response probably by functioning as both a T cell costimulator and coinhibitor. B7-H3 plays an essential role in cell proliferation, invasion, and migration in malignancies. Overexpressed in different types of human cancers, B7-H3 has been implicated in cancer progression and metastasis and becomes an attractive target for cancer immunotherapy.</p>		
References	<ol style="list-style-type: none">1. Yan R, et al. (2015). Inflammation. 38(3):1322-1328.2. Zhang G, et al. (2010). J Immunol. 185(6):3677-3684.3. Liu S, et al. (2021). Front Oncol. 11:654684.4. Picarda E, et al. (2016). Clin Cancer Res. 22(14):3425-3431.		
Synonyms	CD276, 4Ig-B7-H3, B7 H3, B7 homolog 3, B7H3		

Selected Validation Data



Purity of Recombinant Human B7-H3 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.