

Recombinant Human B7-H3/CD276 Protein

Catalog No	RP00327	Category	Protein
Description	Recombinant Human B7-H3/CD276 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Leu29-Thr461) of human B7-H3/CD276 (Accession #Q5ZPR3) fused with a 6×His tag at the C-terminus.		

Sequence Information

Species	Human	Gene ID	80381
Tags	6×His tag at the C-terminus	Swiss Prot	Q5ZPR3
Synonyms	4lg-B7-H3; B7-H3; B7H3; B7RP-2		
AA Sequence	LEVQVPEDPVVALVGTDTLCCSFSPGFLAQLNLIWQLTDTKQLVHSAEGQDQGSAYANRTALFPDLLAQGNASRLRQVRVADEGSFTCFVSIRDFGSAAVSLQVAAPYSKPSMTLEPNKDLRPGDVTITCSSYQGYPEAEVFWQDGGVPLTGNVTTSQMANEQGLFDVHSILRVVLGANGTYSCLVRNPVLQQDAHSSVTITPQRSPTGAVEVQVPEDPVVALVGTDTLRCFSFSPGFLAQLNL		

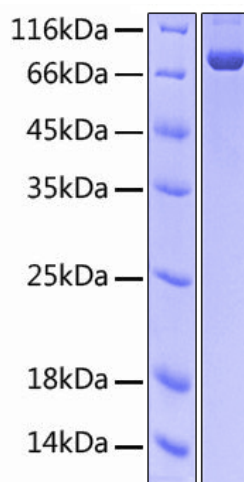
Product information

Source	Human cells
Purity	> 95% by SDS-PAGE.
Endotoxin	< 1 EU/μg of the protein by LAL method.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
Storage	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Background

This protein 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.

SDS-PAGE



Bioactivity