

## Product datasheet for **TP726994**

### Cynomolgus Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Cynomolgus CD276(C-6His)
Species:	Cynomolgus
Expression cDNA Clone or AA Sequence:	Leu29-Glu465
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4.
Note:	Recombinant Cynomolgus monkey CD276 molecule is produced by our Mammalian expression system and the target gene encoding Leu29-Glu465 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Summary:	CD276, also known as B7-H3, is a member of the B7 superfamily with signature IgV and IgG regions in extracellular domains. It is a type I transmembrane protein and shares 20-27% amino acid identity with other B7 family members. B7-H3 is involved in the activation of T lymphocytes, and regulates murine bone formation. It is also reported that B7-H3 may play an important role in muscle-immune interactions, providing further evidence of the active role of muscle cells in local immunoregulatory processes. B7-H3 is expressed on T-cells, natural killer cells, and antigen presenting cells, as well as some non-immune cells, such as osteoblasts, fibroblasts, fibroblast-like synoviocytes and epithelial cells. High expression of B7-H3 in tumor vasculature also correlates with poor survival in patients, suggesting that it may play a role in tumor cell migration.



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