

Recombinant Mouse B7-H4 (C-Fc)

| Catalog # | EPT204 |
|-----------------|--|
| Expression Host | Human Cells |
| DESCRIPTION | Recombinant Mouse B7 Homolog 4 is produced by |
| | our Mammalian expression system and the target |
| | gene encoding Phe29-Pro258 is expressed with a Fc |
| | tag at the C-terminus. |
| Accession | AAH32925.1 |
| Synonyms | V-set domain containing T-cell activation inhibitor 1; |
| | B7 homolog 4; Protein B7S1; B7-H4; VTCN1 |
| Mol Mass | 52.2 KDa |
| AP Mol Mass | 70-90 KDa, reducing conditions |
| Purity | Greater than 95% as determined by reducing |
| | SDS-PAGE. |
| Endotoxin | Less than 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL |
| | test. |
| FORMULATION | Lyophilized from a 0.2 μm filtered solution of PBS, pH |
| | 7.4. |
| RECONSTITUTION | Always centrifuge tubes before opening.Do not mix by |



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vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING The product is shipped at ambient temperature.Upon receipt, store it immediately at the temperature listed below.

STORAGELyophilized protein should be stored at < -20 ° C,
though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C
for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

BACKGROUND Mouse V-set domain-containing T-cell activation inhibitor 1/VTCN1/B7-H4 is glycosylated member of the B7 family of immune co - stimulatory proteins. B7-H4 consists of extracellular domain (ECD) with one Ig-like V-set domain and one Ig-like C2-set domain. It is widely expressed, including in kidney, liver, lung, pancreas, placenta, prostate, spleen, testis and



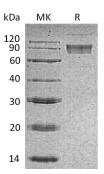
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thymus. B7-H4 negatively regulates T-cell-mediated immune response by inhibiting T-cell activation, proliferation, cytokine production and development of cytotoxicity. When expressed on the cell surface of tumor macrophages, plays an important role, together with regulatory T-cells (Treg), in the suppression of tumor-associated antigen-specific T-cell immunity. It also involved promoting epithelial cell in transformation.



SDS-PAGE



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