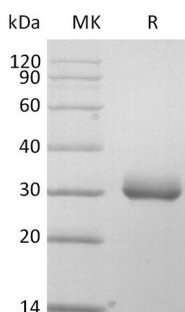


Summary

| | |
|---------------------------------|--|
| Name | BTNL6/Butyrophilin-like 6 |
| Purity | Greater than 95% as determined by reducing SDS-PAGE |
| Endotoxin level | <1 EU/μg as determined by LAL test. |
| Construction | Recombinant Mouse Butyrophilin-like 6 is produced by our Mammalian expression system and the target gene encoding Lys29-Trp249 is expressed with a 6His tag at the C-terminus. |
| Accession # | A2CG22 |
| Host | Human Cells |
| Species | Mouse |
| Predicted Molecular Mass | 25.6 KDa |
| Formulation | Lyophilized from a 0.2 μm filtered solution of 20mM Histidine, 6% Trehalose, 4% Mannitol, 50mM NaCl, 0.05% Tween 80, pH6.5. |
| Shipping | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. |
| Stability&Storage | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. |
| Reconstitution | Always centrifuge tubes before opening. Do not mix by 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. |

SDS-PAGE image



Background

Product Name: Recombinant Mouse BTNL6 (C-6His)
Catalog #: PHM2355



Alternative Names

BTNL6; Gm6519; NG13; Butyrophilin-like 6; EG624681

Background

Butyrophilin-like 6 (BTNL6) is a member of the BTN/MOG Ig-superfamily and functions with BTNL1 as a regulator of immune cell proliferation. The Btnl6 gene is found only in mice. BTNL6 expression is coordinated as a heteromeric protein with BTNL1, and the presence of this complex is correlated with expansion of gamma δ T cells, especially those containing V gamma 7V δ 4 TCR. Btnl6 shows striking sequence similarity to Skint1; is also largely restricted to an epithelial tissue (the small intestine) replete with T cells. Our in-house studies showed BTNL6 co-inhibited anti-CD3 induced IL-2 secretion on CD3+ cells.

Note

For Research Use Only , Not for Diagnostic Use.