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

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.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

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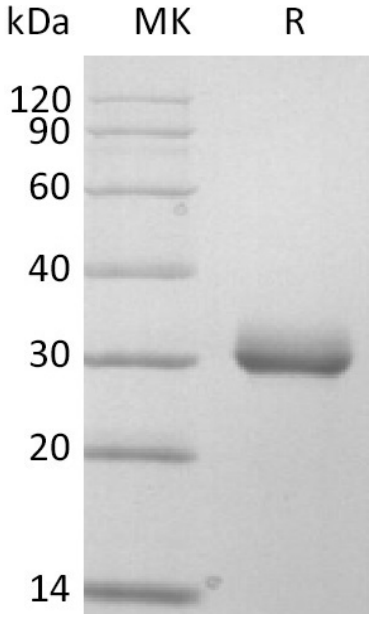

Alternative Names

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 7Vδ4 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.