

Active Recombinant Human BTN1A1 protein, His-tagged

Cat. No. BTN1A1-1258H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human BTN1A1/Butyrophilin Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala 27 - Arg 242) of human BTN1A1/Butyrophilin (Accession #NP_001723.2) fused with a 6×His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Ala 27 - Arg 242
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	Measured by its ability to inhibit Anti-CD3-induced proliferation of jurkat cells. The ED50 for this effect is 3.35-13.4 ng/mL.
Molecular Mass	33-38 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	> 97% by SDS-PAGE.
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.

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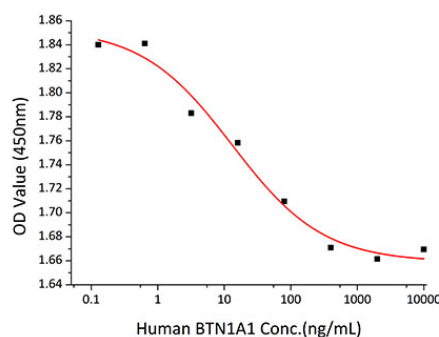
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Reconstitution Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

GENE INFORMATION

Gene Name	BTN1A1 butyrophilin, subfamily 1, member A1 [Homo sapiens]
Official Symbol	BTN1A1
Synonyms	BTN1A1; butyrophilin, subfamily 1, member A1; BTN; butyrophilin subfamily 1 member A1; BT; bK14H9.2 (butyrophilin, subfamily 1, member A1);
Gene ID	696
mRNA Refseq	NM_001732
Protein Refseq	NP_001723
MIM	601610
UniProt ID	Q13410

Activity

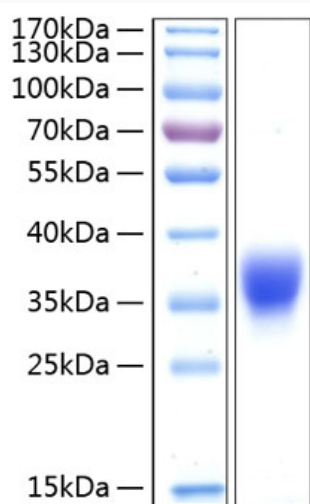


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SDS-PAGE



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