NEUROMICS

Recombinant Human Butyrophilin Subfamily 3 Member A1 Protein Datasheet

Catalog Number: PR27268 **Product Type:** Recombinant Protein

Source: Sf9, Baculovirus cells

Amino Acid Sequence: QFSVLGPSGP ILAMVGEDAD LPCHLFPTMS AETMELKWVS SSLRQVVNVY ADGKEVEDRQ SAPYRGRTSI LRDGITAGKA ALRIHNVTAS DSGKYLCYFQ DGDFYEKALV ELKVAALGSD LHVDVKGYKD GGIHLECRST GWYPQPQIQW SNNKGENIPT VEAPVVADGV GLYAVAASVI MRGSSGEGVS CTIRSSLLGL EKTASISIAD PFFRSAQRWI AALAGLEPKS CDKTHTCPPC PAPELLGGPS VFLFPPKPKD TLMISRTPEV TCVVVDVSHE DPEVKFNWYV DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP APIEKTISKA KGQPREPQVY TLPPSRDELT KNQVSLTCLV KGFYPSDIAV EWESNGQPEN NYKTTPPVLD SDGSFFLYSK LTVDKSRWQQ GNVFSCSVMH EALHNHYTQK SLSLSPGKHH HHHH.

Description/Molecular Mass: Butyrophilin sub family 3 member A1, also known as BTN3A1 is a member of the immunoglobulin superfamily. BTN3A1 is composed of an extracellular N-terminal IgV as well as a membrane proximal IgC domain followed by a transmembrane domain and also a cytoplasmic tail. BTN3A1 participates in T-cell activation and also in the adaptive immune response. Furthermore, BTN3A1 regulates the proliferation of activated T-cells & the release of cytokines and IFNG by activated T-cells. BTN3A1, Mediates the response of T-cells to infected as well as transformed cells which are categorized by high levels of phosphorylated metabolites, such as isopentenyl pyrophosphate.

BTN3A1 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 464 amino acids (30-254a.a.) and having a molecular mass of 51.1kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa).
BTN3A1 is expressed with a 239 amino acid hIgG-His Tag at C-Terminus and purified by proprietary chromatographic techniques.

Purity: Greater than 90.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: BTN3A1 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Storage: Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Avoid multiple freeze-thaw cycles.

FOR RESEARCH USE ONLY

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