# Recombinant BT2A3 protein (His tag)

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| **Catalog Number** | 550479 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q96KV6 |
| **Molecular Weight** | Predictes a molecular mass of 26.08 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 28 kDa band. |

## Product Information

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| **Sequence Region** | 28-246 |
| **Form** | Lyophilized powder |
| **Formulation** | Lyophilized from sterile PBS, pH 7.4 |
| **Purity** | >85%, by SDS-PAGE with Coomassie Brilliant Blue staining. |
| **Endotoxin** | Not tested. |
| **Activity** | Not tested. |
| **Stability** | Samples are stable for up to twelve months from date of receipt at -70℃ |
| **Protein Construction** | DNA encoding 28-246 aa (Q96KV6) were fused with 6His tag. |

## Storage & Handling

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| **Reconstitution** | Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. |
| **Storage** | Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| **Shipping** | In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature.<br>Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise. |

## Description

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| **Description** | Recombinant Putative Butyrophilin Subfamily 2 Member A3 (BTN2A3P) Fragment (aa 28-246) - A high-quality human protein fragment specifically designed to encompass the complete Ig-like V-type domain, providing researchers with an essential tool for studying domain-specific functions in immunological research.<br>Putative Butyrophilin Subfamily 2 Member A3 (BTN2A3P) is a human membrane protein belonging to the butyrophilin family, which plays important roles in immune regulation. As a single-pass type I membrane protein localized to the cell membrane, BTN2A3P is structurally positioned to participate in cell surface interactions and signaling events. The butyrophilin family members are known to be involved in various immune functions, including T-cell regulation and immune response modulation. This recombinant fragment (amino acids 28-246) specifically targets the Ig-like V-type domain (aa 28-139), allowing focused investigation of this critical functional region's role in protein-protein interactions and immune signaling pathways. |