

## Recombinant Human BTN3A2 Protein, GST-tagged

**Cat. No.** BTN3A2-395H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human BTN3A2 full-length ORF ( NP_008978.2, 1 a.a. - 334 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | This gene encodes a member of the immunoglobulin superfamily, containing two Ig domains with similarity to Ig variable and Ig constant domains. The gene resides in the juxta-telomeric region of the major histocompatibility class 1 locus on chromosome 6 in the seven member BTN cluster, which includes butyrophilin, and three members each of the BTN2 and BTN3 subfamilies. Alternatively spliced transcript variants have been described but their full-length nature has yet to be determined. |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 62.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MKMASSLAFLLLNFHVSLLLQLLTPCSAQFSVLGSPGPILAMVGEDADLPCHLFPT<br>MSAETMELKWVSSSLRQVVNVYADGKEVEDRQSAPYRGRTSILRDGITAGKAALRI<br>HNVTASDSGKYLCYFQDGDIFYEKALVELKVAALGSNLHVEVKGYEDGGIHLECRST<br>GWYPQPQIQWSNAKGENIPAVEAPVVADGVGLYEVAASVIMRGGSGEGVSCIIRNS<br>LLGLEKTASISADPFFRSAQPWIAALAGTLPILLLLLAGASYFLWRQQKEITALSSEIE<br>SEQEMKEMGYAATEREISLRESLQEELKRKKIQYLTRGEESSSDTNKSA                                                                                                                                        |

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|-----------------------------|--------------------------------------------------------------------------|
| <b>Quality Control Test</b> | 12.5% SDS-PAGE Stained with Coomassie Blue.                              |
| <b>Storage</b>              | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b>       | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

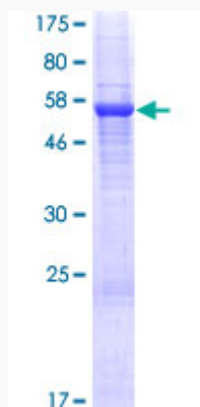
## GENE INFORMATION

|                        |                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | BTN3A2 butyrophilin, subfamily 3, member A2 [ Homo sapiens ]                                                                          |
| <b>Official Symbol</b> | BTN3A2                                                                                                                                |
| <b>Synonyms</b>        | BTN3A2; butyrophilin, subfamily 3, member A2; butyrophilin subfamily 3 member A2; butyrophilin protein; BTF4; BT3.2; BT3.3; FLJ40011; |
| <b>Gene ID</b>         | 11118                                                                                                                                 |
| <b>mRNA Refseq</b>     | NM_001197246                                                                                                                          |
| <b>Protein Refseq</b>  | NP_001184175                                                                                                                          |
| <b>MIM</b>             | 613594                                                                                                                                |
| <b>UniProt ID</b>      | P78410                                                                                                                                |

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