

TECHNICAL DATA SHEET

Recombinant Human BCMA (Carrier-free)

Catalog Number: 21-7137

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

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Recombinant Human BCMA (Carrier-free)

DESCRIPTION

The full length B-Cell Maturation Antigen (BCMA) is a transmembrane protein consisting of 184 amino acids. It is a member of the TNF receptor superfamily and is preferentially expressed by mature B-cells. This protein may play a role in B- cell development and autoimmune response, and has been reported as essential for maintaining survival of plasma cells. It has been shown to bind to BAFF and APRIL, leading to NF-kappaB and MAPK8/JNK activation and stimulating IgM production.

MOLECULAR MASS

Recombinant soluble Human BCMA is a 5.3 kDa protein comprising 50 amino acids, and correlates to the TNFR homologous region of the BCMA protein.

AMINO ACID SEQUENCE

AGQCSQNEYF DSSLHACIPC QLRCSNTTPP LTCQRYCNAS VTNSVKGTNA

SOURCE

E. coli

APPLICATIONS

Bioassay

PURITY

98 %

STORAGE

-20°C

PROTEIN CONTENT

Verified by UV Spectroscopy and/or SDS-PAGE gel.

ENDOTOXIN LEVEL

Endotoxin level is <0.1 ng/µg of protein (<1 EU/µg).

AUTHENTICITY

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

CROSS REACTIVITY

BIOACTIVITY

No data available at this time.

RESEARCH AREAS

Apoptosis, Inflammation, Immune System, TNF Superfamily

RECONSTITUTION

See Certificate of Analysis (COA) for lot specific reconstitution information.

REFERENCES

Yang M, Hase H, Legarda-Addison D, Varughese L, Seed B and Ting AT. 2005. J Immunol. 2005. 175(5): 2814-2824. Laâbi Y, Gras MP, Carbonnel F, Brouet JC, Berger R, Larsen CJ and, Tsapis A. 1992. EMBO J. 11(11): 3897-3904. Thompson J, Schneider P, Kalled S, Wang L, Lefevre E, Cachero T, Mackay FB, Zafari SA, Liu Z, Woodcock S, et al. 2000. J Exp Med. 192: 129-136. Novak AJ, Darce JR, Arendt BK, Harder B, Henderson K, Kindsvogel W, Gross JA, Greipp PR and Jelinek DF. 2004. Blood. 103(2): 689-694. Huang HW, Chen CH, Lin CH, Wong CH and Lin KI. 2013. Proc Natl Acad Sci USA. 110 (27): 10928-10933.

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