

Recombinant human CD157 protein

Catalog Number: ATGP3801

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

33-293aa

UniProt No.

Q10588

NCBI Accession No.

NP_004325.2

Alternative Names

ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2, BST1, CD157

PRODUCT SPECIFICATION

Molecular Weight

30.5 kDa (267aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 0.1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

BST1, also known as ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2, is a glycosylphosphatidyl inositol (GPI) anchored membrane protein that belongs to the CD38 family. It was originally identified as a bone marrow stromal cell molecule. This protein is an ectoenzyme sharing several characteristics with ADP-ribosyl cyclase CD38. Along with CD38, it exhibits both DP-ribosyl cyclase and cyclinc ADP ribose hydrolase activities. It may

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play a role in rheumatoid arthritis (RA) due to its enhanced expression in RA-derived bone marrow stromal cell lines. Also, it is expressed by cells of the myeloid lineage and could act as a receptor with signal transduction capability. Recombinant human BST1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

RWRGEGTSAH LRDIFLGRCA EYRALLSPEQ RNKNCTAIWE AFKVALDKDP CSVLPDYDL FINLSRHSIP RDKSLFWENS
HLLVNSFADN TRRFMPLSDV LYGRVADFLS WCRQKND SGL DYQSCPTSED CENNPVDSFW KRASIQYSKD SSGVIHVMLN
GSEPTGAYPI KGFFADYEIP NLQKEKITRI EIWVMHEIGG PNVE SCGEGS MKVLEKRLKD MGFQYSCIND YRPVKLLQCV
DHSTHPDCAL KSAAAATQRK A<HHHHHH>

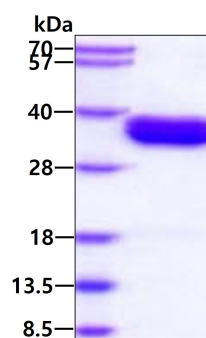
General References

Kaisho T., et al, (1994) Proc. Natl. Acad. Sci. U.S.A. 91:5325-5329.

Okuyama Y., et al, (1996) Biochem. Biophys. Res. Commun. 228:838-845.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.