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

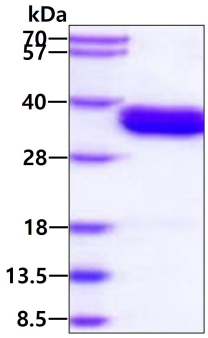
RWRGEGTSAH LRDIFLGRCA EYRALLSPEQ RNKNCTAIWE AFKVALDKDP CSVLPSDYDL FINLSRHSIP RDKSLFWENS HLLVNSFADN TRRFMPLSDV LYGRVADFLS WCRQKNDSGL DYQSCPTSED CENNPVDSFW KRASIQYSKD SSGVIHVMLN GSEPTGAYPI KGFFADYEIP NLQKEKITRI EIWVMHEIGG PNVESCGEGS MKVLEKRLKD MGFQYSCIND YRPVKLLQCV DHSTHPDCAL KSAAAATQRK A<HHHHHH>

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.