

### 32-8993: Recombinant Mouse ADP-ribosyl Cyclase/cyclic ADP-ribose Hydrolase 2/CD157 (C-6His)(Discontinued)

**Gene :** Bst1  
**Gene ID :** 12182  
**Uniprot ID :** Q64277

#### Description

Source: Human Cells.

MW :30.3kD.

Recombinant Mouse ADP-ribosyl Cyclase/cyclic ADP-ribose Hydrolase 2 is produced by our Mammalian expression system and the target gene encoding Ala25-Glu285 is expressed with a 6His tag at the C-terminus. CD157 is a glycosyl phosphatidylinositol anchored membrane protein that belongs to the CD38 family. CD157 was discovered in a bone marrow stromal cell line where it facilitates preBcell growth. Along with CD38, CD157 is a bifunctional ectoenzyme that exhibits both ADP-ribosyl cyclase and cyclic ADP ribose hydrolase activities. It may play a role in rheumatoid arthritis (RA) due to its enhanced expression in RA-derived bone marrow stromal cell lines. CD157 has been predicted to function as a cell surface receptor and an immunoregulatory molecule. CD157 was originally identified as a bone marrow stromal cell molecule (BST-1) with a glycosylphosphatidylinositol (GPI) anchor to bind to the cell surface. CD157 is prevalently expressed by cells of the myeloid lineage. CD157 could act as a receptor with signal transduction capability. Further, it regulates calcium homeostasis and promotes polarization in neutrophils and mediates superoxide (O<sub>2</sub><sup>-</sup>) production in the human U937 myeloid line.

#### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** ARARWRGEGTTPHLQSIFLGRCAEYTTLLSLGNKNCTAIWEAFKGVLDKDPCSVLPDSDYDLFINLSR  
HPIPRDKSLFWENNHLVMSYGENTRRRLVALCDVLYGKVGDFLSWCRQENASGLDYQSCPTSED  
CENNAVDSYWKSASMQYSRDSSGVINVMLNGSEPKGAYPTRGFFADFEIPYLQKDKVTRIEIWM  
HDVGPNVESCGEKSVKILEDRLEALGFQHSICINDYRPVKFLMCVDHSTHPDCIMNSASASMRRE  
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#### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.