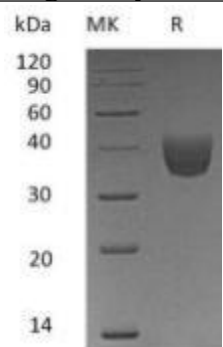


Recombinant Human CD157

Catalog#:P00715 Derived from Human Cells

DESCRIPTION	<p>Recombinant Human ADP-ribosyl Cyclase/Cyclic ADP-ribose Hydrolase 2 is produced by our Mammalian expression system and the target gene encoding Gly29- Lys292 is expressed with a 6His tag at the C-terminus.</p> <p>Accession#: Q10588</p> <p>Known as: ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2; ADP-ribosyl cyclase 2; Bone marrow stromal antigen 1; BST- 1; Cyclic ADP-ribose hydrolase 2; cADPr hydrolase 2; CD157</p>
FORMULATION	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
SHIPPING	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
STORAGE	<p>Lyophilized protein should be stored at ≤ -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.</p>
RECONSTITUTION	<p><i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</i></p> <p><i>It is not recommended to reconstitute to a concentration less than 100µg/ml.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
QUALITY CONTROL	<p>Mol Mass:30.8kDa AP Mol Mass:37kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test.</p>
BACKGROUND	<p>The cluster of differentiation (CD) system is a glycosyl phosphatidylinositol anchored membrane protein that belongs to the CD38 family. It is generally used in immunophenotyping. CD157 was discovered in a bone marrow stromal cell line where it facilitates pre- B-cell growth. CD157 is a bifunctional ectoenzyme that exhibits both ADP-ribosyl cyclase and cyclic ADP ribose hydrolase activities followed with CD38. It plays a role in rheumatoid arthritis (RA) due to its enhanced expression in RA-derived bone marrow stromal cell lines. Studies have shown that this protein have a role in predicted to function as a cell surface receptor and an immunoregulatory molecule.</p>
SDS-PAGE	 <p>The SDS-PAGE gel shows a single prominent band in lane R at approximately 30.8 kDa, corresponding to the molecular mass of recombinant Human CD157. Lane MK is a molecular weight marker lane with bands at 120, 90, 60, 40, 30, 20, and 14 kDa.</p>