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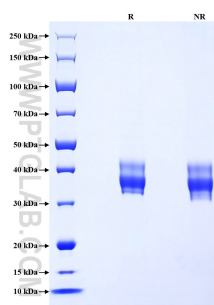
Recombinant Mouse CD157 protein (His Tag)



Catalog Number: Eg1528

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ μg protein, LAL method</p> <p>Source: HEK293-derived Mouse CD157 protein Ala25-Ser286 (Accession# Q64277) with a His tag at the C-terminus.</p> <p>GeneID: 12182</p> <p>Accession: Q64277</p> <p>Predicted Molecular Mass: 30.6 kDa</p> <p>SDS-PAGE: 33-45 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>BST-1(bone marrow stromal cell antigen 1), also named as CD157 or ADP-ribosyl cyclase 2, is a glycosyl phosphatidylinositol-anchored protein that stimulates pre-B-cell growth and has adenosine diphosphate (ADP)-ribosyl cyclase and cyclic ADP-ribose (cADPR) hydrolase activity. The two enzymatic activities are responsible for the synthesis and hydrolysis of cADPR, a novel second messenger of calcium release from intracellular calcium stores.</p>		
References	<ol style="list-style-type: none">1. A M Hussain, et al. (1998) Protein Expr Purif. 12(1):133-7.2. Sumie Yamamoto-Katayama, et al. (2002) J Mol Biol. 316(3):711-23.3. Y Okuyama, et al. (1996) Biochem Biophys Res Commun. 228(3):838-45.		
Synonyms	ADP-ribosyl cyclase 2, ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2, Antigen BP3, Bone marrow stromal antigen 1, Bp3		

Selected Validation Data



Purity of Recombinant Mouse CD157 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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