

CD79 Protein, Mouse, Recombinant (His)

General Information

Synonyms:	CD79a molecule, immunoglobulin-associated alpha;Ig-alpha;mb-1;lgα;lg-α;lga;CD79a molecule, immunoglobulin-associated α;lγα;lγ-54
Protein Construction:	A DNA sequence encoding the mouse CD79A (NP_031681.2) (Met1-Arg137) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding mouse CD79B (NP_032365.1) (Met1-Asp158) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the mouse CD79A & CD79B heterodimer was purified. Predicted N terminal: Leu 29 & Val 26
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	NP_031681.2&NP_032365.1
Molecular Weight:	30.3 kDa (predicted); 34.6, 28.3 and 24.1 kDa (reducing conditions)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:	A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.
Stability & Storage:	It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481