

Product Name: Recombinant Rat IgG2a Fc
Catalog #: PHR0851

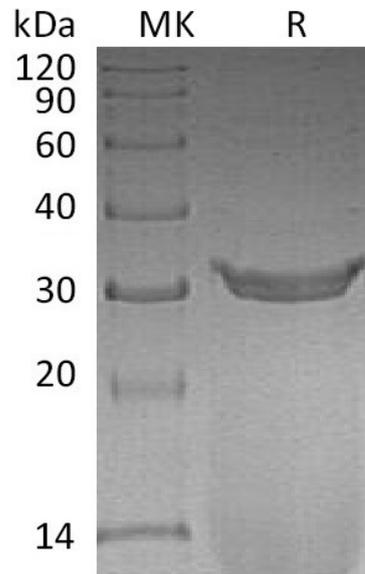


Summary

Name	IgG2A Fc
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Rat Immunoglobulin G2A Fc is produced by our Mammalian expression system and the target gene encoding Val98-Lys322 is expressed.
Accession #	P20760
Host	Human Cells
Species	Rat
Predicted Molecular Mass	35.2 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, pH 8.5.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

Ig gamma-2A chain C region; Igg-2a

Background

Immunoglobulin G (IgG) is a type of antibody composed of four peptide chains—two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. There are four IgG subclasses (IgG1, 2, 3, and 4) in humans, named in order of their abundance in serum. The IgG2a isotype was able to interact very efficiently with FcγR, and share approximately 64-78% amino acid sequence identity with IgG1 and IgG2b in the heavy chain constant region domains, CH1, CH2 and CH3, which cause the difference in the interaction with complement, NK and mast cells, induction or inhibition by specific cytokines, and ability to cross the placenta.

Note

For Research Use Only , Not for Diagnostic Use.