

Product datasheet for **TP727486**

Rat Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Rat IgG2A Fc
Species:	Rat
Expression cDNA Clone or AA Sequence:	Val98-Lys322
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM Tris-HCl, pH 8.5.
Note:	Recombinant Rat Immunoglobulin G2A Fc is produced by our Mammalian expression system and the target gene encoding Val98-Lys322 is expressed.
Stability:	12 months from date of despatch
Summary:	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 FcγR1, 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.



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