
Product Data Sheet

Product Name: FCGR2A Human
 Cat. No.: GP23479
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CD32; CD32A; CDw32; FcGR; IGFR2; MGC23887; MGC30032; Low affinity immunoglobulin gamma Fc region receptor II-a; IgG Fc receptor II-a; Fc-gamma-RIIa; FcRII-a; FCG2; FCGR2A1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHMQAAPP KAVLKLEPPW INVLQEDSVT LTCQGARSPE SDSIQWFHNG NLIPTHTQPS YRFKANNDS GEYTCQTGQT SLSDPVHLTV LSEWLVLQTP HLEFQEGETI MLRCHSWKDK PLVKVTFQFN GKSQKFSRLD PTFSSIPQANH SHSGDYHCTG NIGYTLFSSK PVTITVQVPS MGSSSPMG.		
Formulation	FCGR2A protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 50% glycerol and 1mM DTT.		

Introduction

CD32a, also known as FCGR2A, belongs to a family of immunoglobulin Fc receptor genes located on the surface of various immune response cells. FCGR2A which is a cell surface receptor found on phagocytic cells like macrophages and neutrophils, takes part in the process of phagocytosis and clearing of immune complexes. FCGR2A initiates cellular responses against pathogens and soluble antigens by binding to IgG. FCGR2A, which is a low affinity receptor, binds to the Fc region of immunoglobulins gamma.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

FCGR2A Human Recombinant produced in E.Coli is a single, non-glycosylated

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

polypeptide chain containing 208 amino acids (34-216 a.a) and having a molecular mass of 23.0kDa. FCGR2A is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA