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## Product Data Sheet

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Product Name: FCGR1A Human

Cat. No.: GP23478

Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Fc Fragment Of IgG High Affinity Ia Receptor (CD64); High Affinity Immunoglobulin Gamma Fc Receptor I; Fc-Gamma Receptor I A1; FcgammaRIa; CD64 Antigen; IgG Fc Receptor I; Fc-Gamma RI; CD64; CD64A; IGFR1; FCRI.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMQVDTT KAVITLQPPW VSVFQEETVT LHCEVLHLPG SSSTQWFLNG TATQTSTPSY RITSASVNDG GEYRCQRGLS GRSDPIQLEI HRGWLLLQVS SRVFTEGEPL ALRCHAWKDK LVYINVLYYRN GKAFKFFHWN SNLTILKTNI SHNGTYHCSG MGKHRYTSAG ISVTVKELFP APVLNASVTS PLLEGNLVTL SCETKLLLQR PGLQLYFSFY MGSKTLRGRN TSSEYQILTA RREDSGLYWC EAATEDGNVL KRSPELELQV LGLQLPTPVW FH		
Formulation	The FCGR1A solution contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1mM DTT and 10% glycerol.		

**Introduction**

FCGR1A is a member of the immunoglobulin superfamily. FCGR1A protein acts as a high affinity receptor for the Fc region of immunoglobulins gamma and has a vital part in both innate and adaptive immune response.

**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**

FCGR1A Human Recombinant produced in E. coli is a single polypeptide chain containing 302 amino acids (16-292) and having a molecular mass of 33.8 kDa. FCGR1A is fused to

**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

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a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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