

# Human CD32a (167R) Protein (In Vivo Grade, Ultra-Low Endotoxin)

**Product Code:** ICH3012

## More Information

**Species Reactivity:** Human

**Target:** Human CD32a (167R) Protein

**Host:** Human embryonic kidney (HEK) 293 cells.

**product name H2:** Human CD32a (167R) Protein (In Vivo Grade, Ultra-Low Endotoxin)

**UniProt:** P12318

**Shipping Conditions:** Ambient

**background:** Among Fc-gamma receptors, the 167R (arginine) variant of CD32a (FcγRIIa) differs from the 167H allele in immune-complex binding behavior, making allelic comparison a recurring theme in Fc-receptor research. This product is a recombinant human CD32a (167R) protein, not an antibody, expressed in HEK293 cells and validated for SPR, BLI, and ELISA studies. Manufactured to in vivo-grade, ultra-low-endotoxin standards, it is supplied in scalable milligram to gram quantities for bulk and high-throughput laboratories. Researchers employ the 167R allelic variant as a defined binding partner for Fc-receptor interaction assays, polymorphism comparisons, kinetic characterization, and assay development, with the protein provided strictly for research use only.

**Other names:** Human Fc gamma RIIa, CD32A, FCGR2A, FCGRIIA, FCR2A, FCRIIA, IGFR2A, IGFRIIA

**Specificity:** The sequence of the extracellular domain of human CD32a (Ala 36-Ile 218) was fused with a C-terminal tag consisting of the AVI tag, TEV protease recognition sequence and a 10-His tag.

**Formulation:** Lyophilized from sterile PBS, pH 7.4. No preservatives or cryoprotectants have been added. To obtain a final concentration of 1 mg/ml reconstitute 0.25 mg vials with



0.25 ml water and 1.0 mg vials with 1.0 ml water.

**Purity:** >95% monomer purity as determined by SDS-PAGE and SEC-HPLC.

**Endotoxin:** 1.0 EU per mg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable at ambient temperature for at least 2 weeks. If the protein is not to be used immediately then the protein should be stored in lyophilized form at -20 °C for up 12 months. Once the protein has been reconstituted we recommen

**Applications:** SPR, BLI, ELISA

**Use:** Products are for research use only. Not for use in diagnostic or therapeutic procedures.