

# Pig CD64 Protein (In Vivo Grade, Ultra-Low Endotoxin)

**Product Code:** ICH3020

## More Information

**Species Reactivity:** Pig (*sus scrofa domesticus*)

**Target:** Pig CD64 Protein

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

**product name H2:** Pig CD64 Protein (In Vivo Grade, Ultra-Low Endotoxin)

**UniProt:** Q461Q0

**Shipping Conditions:** Ambient

**background:** CD64 (FcγRI) is the sole high-affinity Fc gamma receptor for monomeric IgG and a key driver of myeloid activation, and porcine versions are increasingly important as the pig becomes a translational and xenotransplantation model. This recombinant pig CD64 ectodomain is expressed in HEK 293 cells and validated for SPR, BLI and ELISA, supporting cross-species Fc binding studies and antibody characterization in swine models. The protein is supplied for research use only in an in vivo grade, ultra-low-endotoxin format and is produced in scalable milligram (mg) to gram (g) quantities, providing bulk and high-throughput laboratories with a reproducible porcine Fc receptor reagent.

**Other names:** CD64, CD64A, FCGR1, FCGRI, FCGR1A, FCGRIA, FCR1, FCRI, IGFR1, IGFRI, Fc gamma R1, Fc gamma RI, Fcg R1, Fcg RI

**Specificity:** The sequence of the extracellular domain of porcine CD64 (Gln 16-Gly 282) 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 to 12 months. Once the protein has been reconstituted we recommend

**Applications:** SPR, BLI, ELISA

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