

## Recombinant Human FCGR1A/CD64 protein (His tag)

**Catalog No.** PKSH033655

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

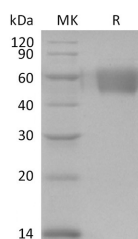
### Description

<b>Synonyms</b>	High affinity immunoglobulin gamma Fc receptor I, IgG Fc receptor I, Fc-gamma RI, FcRI, Fc-gamma RIA, FcgammaRIa, CD antigen CD64
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Met1-Pro288
<b>Accession</b>	P12314
<b>Calculated Molecular Weight</b>	31.7 kDa
<b>Observed molecular weight</b>	35 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Testing in progress

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



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### Background

CD64 (FcγRI), one of the Fc receptors for IgG, is a membrane glycoprotein that mediates endocytosis, phagocytosis,

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antibody-dependent cellular cytotoxicity, cytokine release, and superoxide production. CD64 is also structurally distinct, containing an extracellular Ig-interactive region of three Ig-like domains in contrast to the two domains of the low affinity receptors FcγRII and FcγRIII. It is normally expressed on the surfaces of monocytes and macrophages.