

Recombinant Mouse Fcgrt&B2m Protein, C-His&C-AVI-tagged, Biotinylated

Product Information

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| Cat | IMP-4492 |
| Official Symbol | Fcgrt&B2m |
| Product Overview | <i>Recombinant mouse FCGRT (NP_034319.2) (Met 1-Ser 297) was fused with a C-terminal polyhistidine tagged AVI tag at the C-terminus, constructed the plasmid 1; Recombinant mouse B2M (P01887, 105Ala/Asp) (Met 1-Met 119) constructed the plasmid 2. The two plasmids were co-expressed and the FCGRT / B2M heterodimer was purified. The purified heterodimer was biotinylated in vivo by the Biotin-Protein ligase (BirA enzyme) which is co-expressed.</i> |
| Description | <i>This gene encodes a receptor that binds the Fc region of monomeric immunoglobulin G. The encoded protein transfers immunoglobulin G antibodies from mother to fetus across the placenta. This protein also binds immunoglobulin G to protect the antibody from degradation. Alternative splicing results in multiple transcript variants.</i> |
| Expression System | HEK293 |
| Species | Mouse |
| Tag | C-His&C-AVI |
| Predicted N Terminal | Ser 22&Ile 21 |
| Form | <i>Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.</i> |
| Molecular Mass | <i>The recombinant mouse FCGRT / B2M consists of 401 (302 + 99) amino acids and predicts a molecular mass of 46 (34.3 + 11.7) kDa.</i> |
| Protein length | <i>Met1-Ser297 and Met1-Met119</i> |
| Endotoxin | <i>< 1.0 EU/μg of the protein as determined by the LAL method</i> |
| Purity | <i>> 95 % as determined by SDS-PAGE</i> |
| Storage | <i>Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</i> |
| Reconstitution | <i>A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.</i> |
| SDS-PAGE | |

