

Product datasheet for **TP505688**

Fcgrt (BC003786) Mouse Recombinant Protein

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse Fc receptor, IgG, alpha chain transporter (cDNA clone MGC:6014 IMAGE:3485649), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR205688 protein sequence Red =Cloning site Green =Tags(s) |

MGMPLPWALSLLLVLQPQTWGWSETRPPLMYHLTAVSNPSTGLPSFWATGWLGPQQYLTYNSLRQEADPCG
AWMWENQVSWYWEKETTDLKSKEQLFLEAKTLEKILNGQKRGTYLQGLLGCELASDNSSVPTAVFALN
GEEFMKFNPRIGNWTGEWPETEIVANLWMKQPDAARKESEFLNLSCLPERLLGHLERGRNLEWKEPPSMR
LKARPGNSGSSVLTCAAFSFYPPELKRFLRNGLASGSGNCSTGPNGDGSFHAWSLLEVKRGDEHHYQCQ
VEHEGLAQPLTVDLDSSARSSVPVVGIVLGLLLVVAIAGGVLLWGRMRSGLPAPWLSLSGDDSGDLLPG
GNLPPEAEPQGANAFPATS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| Tag: | C-MYC/DDK |
| Predicted MW: | 40.6 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C after receiving vials. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| Locus ID: | 14132 |
| UniProt ID: | Q61559 |



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RefSeq Size: 1617

Cytogenetics: 7 29.12 cM

RefSeq ORF: 1107

Synonyms: FcRn

Summary: Binds to the Fc region of monomeric immunoglobulins gamma (PubMed:7504013). Mediates the selective uptake of IgG from milk and helps newborn animals to acquire passive immunity. IgG in the milk is bound at the apical surface of the intestinal epithelium. The resultant FcRn-IgG complexes are transcytosed across the intestinal epithelium and IgG is released from FcRn into blood or tissue fluids (By similarity). Possible role in transfer of immunoglobulin G from mother to fetus (By similarity).[UniProtKB/Swiss-Prot Function]