PRODUCT INFORMATION

Target	GPR17
Synonyms	GPR17A, GPR17B, P2Y12-like receptor, P2Y-like receptor
Description	Recombinant human GPR17 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q13304
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	GPR17(Met1-Leu61) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 32.8 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	GPR17 (G protein-coupled receptor 17) is a G-protein coupled receptor (GPCR) expressed in oligodendrocyte precursor cells, brain, and spinal cord. It couples to Gi/o and Gq proteins, modulating cAMP, intracellular calcium, and MAPK signaling. GPR17 plays a key role in oligodendrocyte differentiation, myelination, and response to CNS injury. Dysregulation is associated with neurodegenerative disorders, demyelinating diseases, and CNS repair mechanisms, making it a potential therapeutic target in neurological and demyelinating conditions.
Usage	Research use only
Conjugate	Unconjugated

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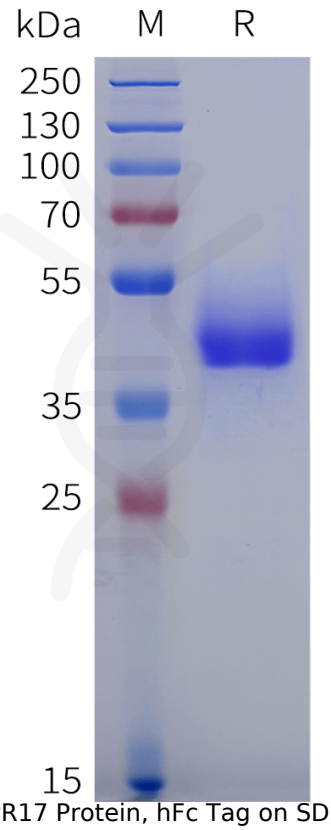

Figure 1. Human GPR17 Protein, hFc Tag on SDS-PAGE under reducing condition.

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