

GPR65 Protein, Human (Cell-Free, His)

Cat. No.:	HY-P702308
Synonyms:	Psychosine receptor; G-protein coupled receptor 65; T-cell death-associated gene 8 protein
Species:	Human
Source:	E. coli Cell-free
Accession:	Q8IYL9 (M1-E337)
Gene ID:	8477
Molecular Weight:	40.8 kDa

PROPERTIES

AA Sequence	<pre> MNSTCI EEQH DLDHYLFPIV YIFV IIVSIP ANIGSLCVSF LQAKKKESELG IYLFSLSLSD LLYALTLP LW IDYTWNKDNW TFSPALCKGS AFLMYMNFYS STAF LTCIAV DRYLAVVYPL KFFFLRTRRF ALMVSLSIWI LETIFNAV ML WEDETVVEYC DAEKSNFTLC YDKYPLEKWQ INLNLFRTCT GYAIPLVTIL ICNRKVYQAV RHNKATENKE KKRI IKLLVS ITVTFVLCFT PFHVMLLIRC ILEHAVNFED HSNSGKRTYT MYRITVALTS LNCVADPILY CFVTETGRYD MWNILK FCTG RCNTSQRQRK RILSVSTKDT MELEVLE </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of 20 mM Tris-HCl, 0.15 M NaCl, 0.05% Brij-78, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The GPR65 Protein functions as a receptor for the glycosphingolipid psychosine (PSY) and various related glycosphingolipids. It plays a crucial role in immune response by preserving lysosome function and facilitating
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phagocytosis-mediated clearance of intracellular bacteria. Additionally, GPR65 may be implicated in activation-induced cell death or T-cell differentiation, indicating its potential regulatory role in immune processes.

Caution: Product has not been fully validated for medical applications. For research use only.

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