

GPR35 Protein, Human (Cell-Free, His)

Cat. No.:	HY-P702306
Synonyms:	G-protein coupled receptor 35; Kynurenic acid receptor; KYNA receptor
Species:	Human
Source:	E. coli Cell-free
Accession:	Q9HC97 (M1-A309)
Gene ID:	2859
Molecular Weight:	36.9 kDa

PROPERTIES

AA Sequence	<pre> MNGTYNTCGS SDLTWPPAIK LGFYAYLGVL LVLGLLLLNSL ALWVFCCRMQ QWTETRIYMT NLAVADLCLL CTLPFVLHSL RDTSDTPLCQ LSQGIYLTNR YMSISLVTAI AVDRYVAVRH PLRARGLRSP RQAAAVCAVL WVLVIGSLVA RWLLGIQEGG FCFRSTRHNF NSMAFPLLGF YLPLAVVVF SLKVVTALAQ RPPTDVGQAE ATRKAARMVW ANLLVFVVC LPLHVGLTVR LAVGWNACAL LETIRRALYI TSKLSDANCC LDAICYYYMA KEFQEASALA VAPSAKAHKS QDSL CVTLA </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 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	GPR35 Protein operates as a receptor for kynurenic acid, a key intermediate in the tryptophan metabolic pathway. Its functional activity is orchestrated by G-proteins, specifically triggering calcium mobilization and inositol phosphate production through G(qi/o) proteins. In this capacity, GPR35 plays a pivotal role in transducing signals related to tryptophan
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metabolism, contributing to cellular responses mediated by intricate G-protein signaling pathways.

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

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