

GPR87 Protein, Human (Cell-Free, Strep)

Cat. No.:	HY-P702309
Synonyms:	G-protein coupled receptor 87; G-protein coupled receptor 95
Species:	Human
Source:	E. coli Cell-free
Accession:	Q9BY21 (M1-V358)
Gene ID:	53836
Molecular Weight:	44.5 kDa

PROPERTIES

AA Sequence

M G F N L T L A K L	P N N E L H G Q E S	H N S G N R S D G P	G K N T T L H N E F
D T I V L P V L Y L	I I F V A S I L L N	G L A V W I F F H I	R N K T S F I F Y L
K N I V V A D L I M	T L T F P F R I V H	D A G F G P W Y F K	F I L C R Y T S V L
F Y A N M Y T S I V	F L G L I S I D R Y	L K V V K P F G D S	R M Y S I T F T K V
L S V C V W V I M A	V L S L P N I I L T	N G Q P T E D N I H	D C S K L K S P L G
V K W H T A V T Y V	N S C L F V A V L V	I L I G C Y I A I S	R Y I H K S S R Q F
I S Q S S R K R K H	N Q S I R V V V A V	F F T C F L P Y H L	C R I P F T F S H L
D R L L D E S A Q K	I L Y Y C K E I T L	F L S A C N V C L D	P I I Y F F M C R S
F S R R L F K K S N	I R T R S E S I R S	L Q S V R R S E V R	I Y Y D Y T D V

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 ddH₂O. 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

GPR87, serving as a receptor for lysophosphatidic acid (LPA), plays a crucial role in p53/TP53-dependent survival pathways activated in response to DNA damage. The receptor's engagement with LPA is instrumental in mediating cellular responses

to DNA damage, emphasizing its significance in processes related to cell survival and DNA damage repair.

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

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