

# Recombinant Full Length Human GPR37 Protein

**Cat. No.** GPR37-5552HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GPR37 full-length ORF (NP_005293.1) recombinant protein without tag.                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 349 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | This gene is a member of the G protein-coupled receptor family. The encoded protein contains seven transmembrane domains and is found in cell and endoplasmic reticulum membranes. G protein-coupled receptors are involved in translating outside signals into G protein mediated intracellular effects. This gene product interacts with Parkin and is involved in juvenile Parkinson disease. [provided by RefSeq, Oct 2012]    |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 67.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MRAPGALLARMSRLLLLLLLLKVSASSALGVAPASRNETCLGESCAPTVIQRRGRDA<br>WGPGNSARDVLRARAPREEQGAAFLAGPSWDLPAAPGRDPAAGRGAEASAAGPP<br>GPPTRPPGPWRWKGARGQEPSETLGRGNPTALQLFLQISEEEEKGPRGAGISGRS<br>QEQSVKTVPGASDLFYWPRRAGKLQGSHHKPLSKTANGLAGHEGWTIALPGRALA<br>QNGSLGEGIHPPGPRRGNSTNRRVRLKNPFYPLTQESYGAYAVMCLSVVIFGTGII<br>GNLAVMCIVCHNYYMRSISNSLLANLAFWDFLIIFCLPLVIFHELTKKWLLEDFSCKIV<br>PYIEVASLGVTTFTLCALCIDRFRAATNVQMYYEMIENCSSTAKLAVIWWGALLLALP |

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EVVLRQLSKEDLGFSGRAPAERCIKISPDLPDTIYVLALTYDSARLWWYFGCYFCLP  
 TLFTITCSLV TARKIRKA E KACTRGNKRQIQLESQM NCTVVALTILYGFCIIPENICNIVT  
 AYMATGVSQQTMDLLNIISQFLLFFKSCVTPVLLFCLCKPFSRAFMECCCCCCEECIQ  
 KSSTVTSDDDNDNEYTTELELSPFSTIRREMSTFASVGTHC

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| <b>Applications</b>   | Antibody Production                                                      |
|                       | Functional Study                                                         |
|                       | Compound Screening                                                       |
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 25 mM Tris-HCl of pH8.0 containing 2% glycerol.                          |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                              |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | GPR37 G protein-coupled receptor 37 (endothelin receptor type B-like) [ Homo sapiens ]                                                                                                                                                                       |
| <b>Official Symbol</b> | GPR37                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>        | GPR37; G protein-coupled receptor 37 (endothelin receptor type B-like); probable G-protein coupled receptor 37; EDNRBL; hET(B)R LP; PAELR; ETBR-LP-1; endothelin B receptor-like protein 1; Parkin-associated endothelin receptor-like receptor; hET(B)R-LP; |
| <b>Gene ID</b>         | 2861                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>     | NM_005302                                                                                                                                                                                                                                                    |

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|----------------|-----------|
| Protein Refseq | NP_005293 |
| MIM            | 602583    |
| UniProt ID     | O15354    |

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