# Recombinant Human GAL, Fc-tagged

**Cat. No.** GAL-289H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | A DNA sequence encoding the human GAL (P22466) (Met1-Ser123) was expressed with the Fc region of human IgG1 at the C-terminus. |
| **Species** | Human |
| **Source** | Human Cells |
| **ProteinLength** | Met1-Ser123 |
| **Form** | Lyophilized from sterile PBS, pH7.4. |
| **Molecular Mass** | The recombinant human GAL/Fc is a disulfide-linked homodimer. The reduced monomer comprises 345 amino acids and has a predicted molecular mass of 38.5 kDa. The apparent molecular mass of the protein is approximately 43 kDa in SDS-PAGE under reducing conditions. |
| **Endotoxin** | < 1.0 eu per μg of the protein as determined by the LAL method. |
| **Purity** | >95 % as determined by SDS-PAGE |
| **Stability** | Samples are stable for up to twelve months from date of receipt at -70℃ |
| **Storage** | Store it under sterile conditions at -70℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

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| **Reconstitution** | Hardcopy of COA with reconstitution instruction is sent along with the products. |

## GENE INFORMATION

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| **Gene Name** | GAL galanin prepropeptide [ Homo sapiens ] |
| **Official Symbol** | GAL |
| **Synonyms** | GAL; galanin prepropeptide; galanin , GALN; galanin peptides; galanin message associated peptide; GLNN; GMAP; galanin-related peptide; galanin-message-associated peptide; GALN; MGC40167; |
| **Gene ID** | 51083 |
| **mRNA Refseq** | NM_015973 |
| **Protein Refseq** | NP_057057 |
| **MIM** | 137035 |
| **UniProt ID** | P22466 |
| **Chromosome Location** | 11q13.2 |
| **Pathway** | Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Peptide ligand-binding receptors, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem; |

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| **Function** | neuropeptide hormone activity; |

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