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Datasheet for ABIN7317568

Galanin Protein (GAL) (Fc Tag)

Overview

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|-------------------------------|-----------------------------------------------|
| Quantity: | 100 µg |
| Target: | Galanin (GAL) |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Galanin protein is labelled with Fc Tag. |

Product Details

| | |
|------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Purpose: | Recombinant Human Galanin/GAL Protein (Fc Tag) |
| Sequence: | Met 1-Ser123 |
| Characteristics: | A DNA sequence encoding the human GAL (P22466) (Met1-Ser123) was expressed with the Fc region of human IgG1 at the C-terminus. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg of the protein as determined by the LAL method. |

Target Details

| | |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target: | Galanin (GAL) |
| Alternative Name: | Galanin/GAL (GAL Products) |
| Background: | Background: The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are |

Target Details

more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD180, also known as RP105, is a B-cell surface molecule belonging to the family of pathogen receptors, Toll-like receptors (TLR). CD180 has an extracellular leucine-rich repeats and a short cytoplasmic tail. CD180 / RP105 interact with an extracellular molecule named MD1 and then together form the cell surface receptor complex RP105 / MD1 which induces B-cell activation in humans and mice, leading to proliferation and up-regulation of a costimulatory molecule, B7.2 / CD86. CD180 / RP105 also has a role in LPS response because B cells lacking RP105 show hyporesponsiveness to LPS. Synonym: GAL-GMAP,GALN,GLNN,GMAP

Molecular Weight: 38.5 kDa

UniProt: [P22466](#)

Pathways: [Regulation of Hormone Metabolic Process](#), [Feeding Behaviour](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.