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Datasheet for ABIN7538294
GAL Protein (AA 20-123) (Fc Tag)

1 Image

Overview

Quantity:	50 µg
Target:	GAL
Protein Characteristics:	AA 20-123
Origin:	Human
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GAL protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human GAL Protein with C-terminal human Fc tag
Specificity:	GAL (Ala20-Ser123) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	GAL
Alternative Name:	GAL (GAL Products)
Background:	This gene encodes a neuroendocrine peptide that is widely expressed in the central and

Target Details

peripheral nervous systems and also the gastrointestinal tract, pancreas, adrenal gland and urogenital tract. The encoded protein is a precursor that is proteolytically processed to generate two mature peptides: galanin and galanin message-associated peptide (GMAP). Galanin has diverse physiological functions including nociception, feeding and energy homeostasis, osmotic regulation and water balance. GMAP has been demonstrated to possess antifungal activity and hypothesized to be part of the innate immune system. [provided by RefSeq, Jul 2015]

Molecular Weight: predicted molecular mass of 37.6 kDa after removal of the signal peptide. The apparent molecular mass of GAL-hFc is 35-55 kDa due to glycosylation.

UniProt: [P22466](#)

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

Application Details

Restrictions: For Research Use only

Handling

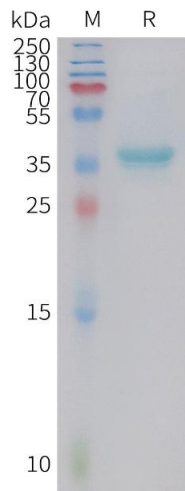
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human GAL Protein, hFc Tag on SDS-PAGE under reducing condition.