

Datasheet for ABIN5852930

**GAL Protein (AA 20-123) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	50 µg
Target:	GAL
Protein Characteristics:	AA 20-123
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GAL protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	MGSSHHHHHH SSSLVPRGSH MGSASAGLWS PAKEKRGWTL NSAGYLLGPH AVGNHRSFSD KNGLTSKREL RPEDDMKPGS FDRSIPENNI MRTIIEFLSF LHLKEAGALD RLLDLPAAAS SEDIERS
Purity:	> 90 % by SDS - PAGE

## Target Details

Target:	GAL
Alternative Name:	GAL ( <a href="#">GAL Products</a> )
Background:	Galanin peptides preproprotein, also known as GAL, is localized in brain pathways involved in both cognition and affect, and may inhibit learning and memory by inhibiting neurotransmitter release and neuronal firing rate. It modulates a variety of physiological processes including cognition/memory, sensory/pain processing, neurotransmitter/hormone secretion, and feeding

## Target Details

behavior. GAL is upregulated in primary afferent and sympathetic neurones and may be involved in the development of sympathetic perineuronal baskets (rings) following nerve injury. Recombinant human GAL protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Molecular Weight: 13.9kDa (127aa) confirmed by MALDI-TOF

NCBI Accession: [NP\\_057057](#)

UniProt: [P22466](#)

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

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

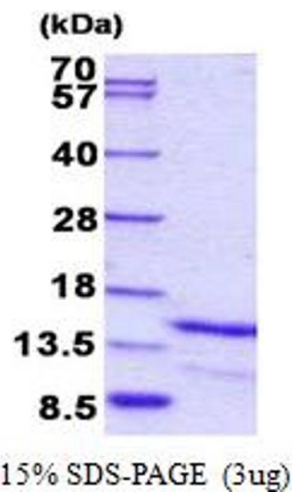
Format: Liquid

Concentration: 0.25 mg/mL

Buffer: Liquid. In 20 mM Tris-HCl buffer ( pH 8.0) containing 0.2M NaCl, 50 % glycerol, 2 mM DTT

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.