

32-3863: GAL Recombinant Protein

Alternative Name : GALN, GLNN, GMAP, GAL, GAL1.

Description

Source : E.coli. GAL Human Recombinant produced in E. coli is a single polypeptide chain containing 127 amino acids (20-123) and having a molecular mass of 13.9kDa. GAL is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Galanin Prepropeptide (GAL) which is localized in brain pathways is involved in both cognition and affect, and also inhibits learning and memory by inhibiting neurotransmitter release and neuronal firing rate. GAL is a part of the galanin family and modulates a variety of physiological processes including cognition/memory, sensory/pain processing, neurotransmitter/hormone secretion, and feeding behavior. Galanin Prepropeptide is upregulated in primary afferent and sympathetic neurones and is required for the development of sympathetic perineuronal baskets subsequent to nerve injury.

Product Info

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| Amount : | 10 µg |
| Purification : | Greater than 90% as determined by SDS-PAGE. |
| Content : | The GAL solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol and 2mM DTT. |
| Storage condition : | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. |
| Amino Acid : | MGSSHHHHHH SGLVPRGSH MGSASAGLWS PAKEKRGWTL NSAGYLLGPH AVGNHRSFSD KNGLTSKREL RPEDDMKPGS FDRSIPENNI MRTIIEFLSF LHLKEAGALD RLLDLPAASSSEDIERS. |

