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GAL, 20-123aa

产品货号: TP02184

第三版

别名: Galanin peptides preproprotein, GALN, GLNN, GMAP.

描述: 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 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.

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

分子量: 13.9kDa (127aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSASAGLWSPAKEKRGWTLNSAGYLLGPHAVGNHRFSFDKNGLTSKRELRPEDDMKP
GSFDRSIPENNIMRTIIEFLSFLHLKEAGALDRLLDLPAAASSEDIERS

纯度: > 95% by HPLC

浓度: 0.25 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.