

# Recombinant Full Length Human CALY Protein, GST-tagged

Cat. No. CALY-3083HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human CALY full-length ORF (AAH38978.1, 1 a.a. - 217 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	217 amino acids
<b>Description</b>	The protein encoded by this gene is a type II single transmembrane protein. It is required for maximal stimulated calcium release after stimulation of purinergic or muscarinic but not beta-adrenergic receptors. The encoded protein interacts with D1 dopamine receptor and may interact with other DA receptor subtypes and/or GPCRs. [provided by RefSeq, Jul 2008]
<b>Molecular Mass</b>	50.27 kDa
<b>AA Sequence</b>	MVKLGCSFSGKPGKDPGDQDGAAMDSVPLISPLDISQLQPPLPDQVVIKTQTEYQLS SPDQQNFPDLEGQRLNCSHPPEGRRLPTARMIAFAMALLGCVLIMYKAIWYDQFTC PDGFLLRHKICTPLTLEMYYTEMDPERHRSILAAIGAYPLSRKHGTETPAAWGDGYR AAKEERKGPTQAGAAAAATEPPGKPSAKAEKEAARKAAGSAAPPPAQ
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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**Protein Array**

<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**GENE INFORMATION**

<b>Gene Name</b>	CALY calcyon neuron-specific vesicular protein [ Homo sapiens ]
<b>Official Symbol</b>	CALY
<b>Synonyms</b>	CALY; calcyon neuron-specific vesicular protein; dopamine receptor D1 interacting protein, DRD1IP; neuron-specific vesicular protein calcyon; CALCYON; NSG3; calcyon protein; D1 dopamine receptor-interacting protein; dopamine receptor D1 interacting protein; calcyon D1 dopamine receptor-interacting protein (CALCYON); DRD1IP; RP11-122K13.5;
<b>Gene ID</b>	50632
<b>mRNA Refseq</b>	NM_015722
<b>Protein Refseq</b>	NP_056537
<b>MIM</b>	604647
<b>UniProt ID</b>	Q9NYX4

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