

## Product datasheet for PH307894

### Calcyon (CALY) (NM\_015722) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CALY MS Standard C13 and N15-labeled recombinant protein (NP_056537)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207894
Predicted MW:	23.4 kDa
Protein Sequence:	>RC207894 protein sequence Red=Cloning site Green=Tags(s)  MVKLGCSFSGKPGKDPGDQDGAAMDSVPLISPLDISQLQPPLPDQVVIKTQTEYQLSSPDQQNFPDLEGQ RLNCSHP EEGRR LPTARMIAFAMALLGCVLIMYKAIWYDQFTCPDGFLLRHKICTPLTLEMYTMDPER HRSILAAIGAYPLSRKHGTETPAAWGDGYRAAKEERKGPTQAGAAAAATEPPGKPSAKAEKEAARKAAGS AAPPPAQ  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_056537</a>
RefSeq Size:	983
RefSeq ORF:	651
Synonyms:	DRD1IP; NSG3
Locus ID:	50632
UniProt ID:	<a href="#">Q9NYX4</a>



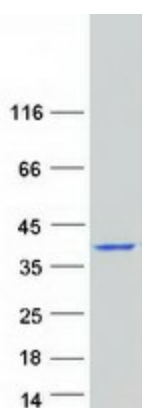
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Cytogenetics: 10q26.3

**Summary:** 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]

**Protein Families:** Druggable Genome, Transmembrane

### Product images:



Coomassie blue staining of purified CALY protein (Cat# [TP307894]). The protein was produced from HEK293T cells transfected with CALY cDNA clone (Cat# [RC207894]) using MegaTran 2.0 (Cat# [TT210002]).