

## Product datasheet for PH312304

### CRYL1 (NM\_015974) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CRYL1 MS Standard C13 and N15-labeled recombinant protein (NP_057058)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212304
Predicted MW:	35.2 kDa
Protein Sequence:	>RC212304 representing NM_015974 Red=Cloning site Green=Tags(s)  MASSAAGCVVIVGSGVIGRSWAMLFASGGFQVKLYDIEQQQIRNALENIRKEMKLLQAGSLKGSLSVEE QLSLISGCPNIQEAVEGAMHIQECVPEDLELKKKIFAQLDSIIDDRVILSSSTSCLMPSKLFAGLVHVKQ CIVAHPVNPYYIPLVELVPHPETAPTTVDRTHALMKKIGQCPMRVQKEVAGFVLNRLQYAIISEAWRLV EEGIVSPSDLDLVMSEGLGMRYAFIGPLETMHLNAEGMLSYCDRYSEGIKHVLQTFGPIPEFSRATAEKV NQDMCMKVPDDPEHLAARRQRDECLMRLAKLKSQVQPQ  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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_057058</a>
RefSeq Size:	1516
RefSeq ORF:	957
Synonyms:	GDH; gul3DH; HEL30; lambda-CRY
Locus ID:	51084



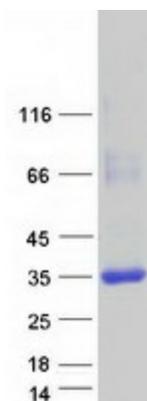
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UniProt ID: [Q9Y2S2](#), [V9HWG2](#)

Cytogenetics: 13q12.11

**Summary:** The uronate cycle functions as an alternative glucose metabolic pathway, accounting for about 5% of daily glucose catabolism. The product of this gene catalyzes the dehydrogenation of L-gulonate into dehydro-L-gulonate in the uronate cycle. The enzyme requires NAD(H) as a coenzyme, and is inhibited by inorganic phosphate. A similar gene in the rabbit is thought to serve a structural role in the lens of the eye. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified CRYL1 protein (Cat# [TP312304]). The protein was produced from HEK293T cells transfected with CRYL1 cDNA clone (Cat# [RC212304]) using MegaTran 2.0 (Cat# [TT210002]).