

## Product datasheet for TP312304L

### CRYL1 (NM\_015974) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human crystallin, lambda 1 (CRYL1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC212304 representing NM_015974 Red=Cloning site Green=Tags(s)

MASSAAGCVVIVGSGVIGRSWAMLFASGGFQVKLYDIEQQQIRNALENIRKEMKLEQAGSLKGSLSVEE  
QLSLISGCPNIQEAVEGAMHIQECVPEDLELKKKIFAQLDSIIDDRVILSSSTSCLMPSKLFAGLVHVKQ  
CIVAHPVNPPYYIPLVELVPHPETAPTTVDRTHALMKKIGQCPMRVQKEVAGFVLNRLQYAIISEAWRLV  
EEGIVSPSDLVLMSEGLGMRYAFIGPLETMHLNAEGMLSICYDRYSEGIKHVLQTFGPIPEFSRATAEKV  
NQDMCMKVPDDPEHLAARRQWRDECLMRLAKLKSQVQPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

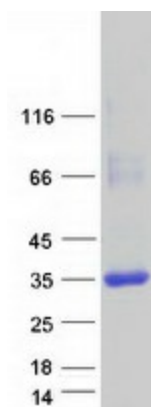
Tag:	C-Myc/DDK
Predicted MW:	35.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_057058</a>
Locus ID:	51084



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UniProt ID:	<a href="#">Q9Y2S2</a> , <a href="#">V9HWG2</a>
RefSeq Size:	1516
Cytogenetics:	13q12.11
RefSeq ORF:	957
Synonyms:	GDH; gul3DH; HEL30; lambda-CRY
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]).