

Product datasheet for **TP312304M**

CRYL1 (NM_015974) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human crystallin, lambda 1 (CRYL1), 100 µg
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: [NP_057058](#)
Locus ID: 51084

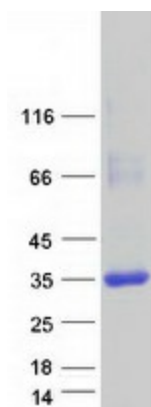


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UniProt ID: [Q9Y2S2, V9HWG2](#)
RefSeq Size: 1516
Cytogenetics: 13q12.11
RefSeq ORF: 957
Synonyms: GDH; gul3DH; HEL30; lambda-CRY

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]).