Recombinant Full Length Human CRYL1 Protein, GST-tagged

Cat. No. CRYL1-2143HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CRYL1 full-length ORF (BAG51254.1, 1 a.a. - 319 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	319 amino acids
Description	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]
Molecular Mass	61.8 kDa
AA Sequence	MASSAAGCVVIVGSGVIGRSWAMLFASGGFQVKLYDIEQQQIRNALENIRKEMKLLE QAGSLKGSLSVEEQLSLISGCPNIQEAVEGAMHIQECVPEDLELKKKIFAQLDSIIDDR VILSSSTSCLMPSKLFAGLVHVKQCIVAHPVNPPYYIPLVELVPHPETAPTTVDRTHAL MKKIGQCPMRVQKEVAGFVLNRLQYAIISEAWRLVEEGIVSPSDLDLVMSEGLGMRY AFIGPLETMHLNAEGMLSYCDRYSEGIKHVLQTFGPIPEFSRATAEKVNQDMCMKVP DDPEHLAARRQWRDECLMRLAKLKSQVQPQ

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CRYL1 crystallin, lambda 1 [Homo sapiens]
Official Symbol	CRYL1
Synonyms	GDH; lambda-CRY
Gene ID	51084
mRNA Refseq	NM_015974.2
Protein Refseq	NP_057058.2
MIM	609877
UniProt ID	Q9Y2S2

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