

Recombinant Mouse Crygd Protein, His-tagged

Cat. No. Crygd-223M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Crygd(1-174aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	1-174aa
Description	Crygd, also known as gamma-crystallin D, belongs to the beta/gamma-crystallin family. Crystallins are the dominant structural components of the vertebrate eye lens. Mammalian lens crystallins are divided into alpha, beta, and gamma families. Gamma-crystallins have been involved in cataract formation. Defects in Crygd are a cause of cataract autosomal dominant (ADC), cataract congenital non-nuclear polymorphic autosomal dominant (CCP), cataract congenital cerulean type 3 (CCA3) and cataract crystalline aculeiform (CACA).
Form	Liquid. In 20mM Tris-HCl(pH8.0) containing 0.1M NaCl, 10% glycerol
Molecular Mass	23.5 kDa (197aa) Confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMGKITFY EDRGFQGRHY ECSTDHSNLQ PYFSRCNSVR VDSGCWMLYE QPNFTGCQYF LRRGDYPDYQ QWMGFSDSVR SCRLIPHAGS HRIRLYEREE YRGQMIEFTE DCPSLQDRFH FNEIYSLNVL EGCWVLYDMT NYRGRQYLLR PGEYRRYHDW

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

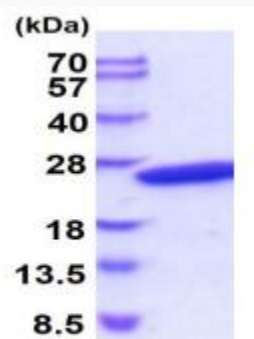
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	GAMNARVGSL RRVMDFY
Purity	> 95% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Absorbance at 280nm)
GENE INFORMATION	
Gene Name	Crygd crystallin, gamma D [Mus musculus]
Official Symbol	Crygd
Synonyms	CRYGD; crystallin, gamma D; gamma-crystallin D; lens opacity 12; gamma-D-crystallin; gamma-crystallin 1; Aey4; Lop12; Cryg-1; DGcry-1;
Gene ID	12967
mRNA Refseq	NM_007776
Protein Refseq	NP_031802
UniProt ID	P04342

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15% SDS-PAGE (3ug)

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