

## Product datasheet for TP501482

### Cryaa (BC092385) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse crystallin, alpha A (cDNA clone MGC:106604 IMAGE:30602480), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201482 protein sequence Red=Cloning site Green=Tags(s)
	MDVTIQHPWFKRALGPFYPSRLFDQFFGEGLEFYDLLPFLSSTISPYRQSLFRTVLDSGISEVRSRDK FVIFLDVKHFSPEDLTVKVFLEDFVEIHGKHNERQDDHGYISREFHRRYRLPSNVDQSALSCSLADGMLT FSGPKVQSGLDAGHSERAIPVSREEKPSSAPSS
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	19.8 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	12954
UniProt ID:	<a href="#">P24622</a>
RefSeq Size:	1112
Cytogenetics:	17 17.09 cM



[View online »](#)

RefSeq ORF: 519

Synonyms: Acry-1; Crya-1; Crya1; DAcry-1; lop18

**Summary:** This gene encodes subunit a, one of two subunits of alpha-crystallin, which is a high molecular weight, soluble aggregate and is a member of the small heat shock protein (sHSP) family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. It acts as a molecular chaperone and is the major protein in the eye lens, maintaining the transparency and refractive index of the lens. In mouse, deficiency in this gene is associated with smaller lenses and eyes and with increasing lens opacity with age. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]