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Product datasheet for TP520494

Cryba1 (NM_009965) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse crystallin, beta A1 (Cryba1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR220494 protein sequence Red=Cloning site Green=Tags(s) METQTVQRELETLPTTKMAQTNPMPGSLGPWKITIYDQENFQGKRMEFTSSCPNVSERNFDNVRSLKVEC GAWIGYEHTSFCGQQFILERGEYPRWDAWSGSNAYHIERLMSFRPICSANHKESKITIFEKENFIGRQWE ICDDYPSLQAMGWFNNEVGSMKIQCGAWVCYQYPGYRGYQYILECDHHGGDYKHWPEWGSHAQTSQIQSI RRIQQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	25.2 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
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.
RefSeq:	NP_034095
Locus ID:	12957
UniProt ID:	Q9QXC6
RefSeq Size:	683

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Cytogenetics:	11 46.74 cM
RefSeq ORF:	648
Synonyms:	BA3/; BA3/A1; Cry; Cryb
Summary:	Mammalian lens crystallins are divided into alpha, beta, and gamma families. Alpha and beta families are further divided into acidic and basic groups. Seven protein regions exist in crystallins: four homologous motifs, a connecting peptide, and N- and C-terminal extensions. Beta-crystallins, the most heterogeneous, differ by the presence of the C-terminal extension (present in the basic group, none in the acidic group). Beta-crystallins form aggregates of different sizes and are able to self-associate to form dimers or to form heterodimers with other beta-crystallins. This gene, a beta acidic group member, encodes two proteins (crystallin, beta A3 and crystallin, beta A1) from a single mRNA. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]