

Product datasheet for TP511170

Hk2 (NM_013820) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse hexokinase 2 (Hk2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211170 representing NM_013820 Red =Cloning site Green =Tags(s)
	<p>MIASHMIACLFTELNQVQKVDQYLYHMRLSDETLLEISRRFRKEMEKGLGATTHPTAAVKMLPTFVRS TPDGTEHGFLALDLGGTNFRVLRVVRTDNGLQRVEMENQIYAIPEDIMRSGTQLFDHIAECLANFMDK LQIKEKKLPLGFTSFPCQTKLDESFLVSWTKGFKSSGVEGRDWDLIRKAIQRRGDFDIDIVAVVNDT VGTMMTCGYDDQNCEIGLIVGTGSNACYMEEMRHIDMVEGDEGRMCINMEWGAFGDDGTLNDIRTEFDRE IDMGSLNPGKQLFEKMISGMYMGELVRLILVKMAKAELLFQGKLSPELLTTGSFETKDVSIEDDKDGIQ KAYQILVRLGLSPLQEDCVATHRICQIVSTRSASLCAATLAAVLWRIKENKGEERLRSTIGVDGGSVYKHH PHFAKRLHKAVRRLVPCDVRFLRSEDGSGKGAAMVTAVAYRLADQHRARQKTLESKLSHEQLLEVKRR MKVEMEQLSKETHEAAPVKMLPTYVCATPDGTEKGDFLALDLGGTNFRVLLVVRVNRGKRRGVEMHNKIY SIPQEVMHGTGEELFDHIVQCIADFLEYMGMGVSLPLGFTSFPCQQNSLDQSILLKWTGKFKASGCEG EDVWTLLEAIRRREFFDLVAVVNDTVGTMMTCGYEDPHCEVGLIVGTGSNACYMEEMRNVELVDGEE GRMVCNMEWGAFGDNGLDLDLRTVFDVAVDELNPGKQRFKEMISGMYLGEIVRNILIDFTKRGLLFRG RISERLKRTRGIFETKFLSQIESDCLALLQVRAILRHLGLESTCDDSIIVKEVCTVARRAAQLCGAGMAA VVDKIRENRGLDNLKVTVGVDGTYLKLHPHFAKVMHETVRDLAPKCDVSFLESEDGSGKGAALITAVACR IREAGQR</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	103 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



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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_038848
Locus ID:	15277
UniProt ID:	O08528
RefSeq Size:	5524
Cytogenetics:	6 35.94 cM
RefSeq ORF:	2751
Synonyms:	A1642394; HKII
Summary:	Catalyzes the phosphorylation of hexose, such as D-glucose and D-fructose, to hexose 6-phosphate (D-glucose 6-phosphate and D-fructose 6-phosphate, respectively) (By similarity). Mediates the initial step of glycolysis by catalyzing phosphorylation of D-glucose to D-glucose 6-phosphate (By similarity). Plays a key role in maintaining the integrity of the outer mitochondrial membrane by preventing the release of apoptogenic molecules from the intermembrane space and subsequent apoptosis (PubMed:18350175).[UniProtKB/Swiss-Prot Function]