

Product datasheet for TP523735

Hk3 (NM_001033245) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse hexokinase 3 (Hk3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR223735 protein sequence Red=Cloning site Green=Tags(s)

MATIGPSGLHPGERASVCPHEGVPRPSGSLELECLQQFKVTRTQLQQIQASLLCSMEQALKGQDSPAPSV
RMLPTYVRSTPHGTEQGDFLVLELGATGASLRVLWVTLTGTKECRVEPRSREFVIPQEVILGAGQQLDFD
AARCLSEFLDAYPVENQGLKLGFNFSFPCHQTGLDRSTLISWTKGFRCSGVEGQDVVQLLRDAIQRQGT
RIDVVAMVNDTVGTMMGCELGTRPCEVGLIVDTGTNACYMEEARHVAALDEDRGRTCVSIEWGSFYDEDA
LGPVLTTFDSALDRESLTPGAQRFEKMIGGLYL GELVRLVLVHLTQHGVLF DGCASPALLS QGCILLDHV
AEMEDTATGTARVHTILQDLGLSPRASDAELVQCVCVAVCTRAAQLCAAALAAVLSRLQHSREQQT LQVA
VATGGRVFERHPRFLRILKETVMLLAPNCDVFSFIPSDGGGRGVAMVTAVAARLAAHRRILEETLAPFQL
TLEQLTVVQAQMREAMIRGLQGEASSLRMLPTYVRATPDGSEGRDFLALDLGGTNFRVLLVRVAEGSVQI
INQVYSIPECRAQGSGQKLFHDHIVDCIVDFQKRQGLSGQSLPLGFTFSFPCKQLGLDQGILLNWTGKFNA
SGCEGQDVVYLLREAIRRRQAVELNVVAIVNDTVGTMMSGYYDDPRCEMGLIVGTGTNACYMEEARNVAS
VPGDSGLMCINMEWGAFGDDGSLGTLSPRFDTSVDQASINPGKQRFKEMISGMYLGEIVRHILLHLTNLG
VLFGRQKTQCLQARDIFKTKFLSEIESDSLALRQVRAILEDLGLTLTSDDALMVLEVCQAVSRRAAQLCG
AGVAAWVEKIRENRGLQELTVSVGVDGTLTKLHPHFSKLVSATVRKLPQCTVTFLQSEDGSGKGAALVT
AVACRLTQMAHV

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	100 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_001028417
Locus ID:	212032
UniProt ID:	Q3TRM8
RefSeq Size:	3219
Cytogenetics:	13 B1
RefSeq ORF:	2769
Synonyms:	HK-III; HK III
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). Mediates the initial step of glycolysis by catalyzing phosphorylation of D-glucose to D-glucose 6-phosphate. [UniProtKB/Swiss-Prot Function]