

Product datasheet for **TP321178L**

HKDC1 (NM_025130) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hexokinase domain containing 1 (HKDC1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221178 protein sequence Red=Cloning site Green=Tags(s)

MFAVHLMIFYFSKLEKEDQIKKVDRLFYHMRLSDDTLLDIMRRFRAEMEKGLAKDTNPTAAVKMLPTFVRA
IPDGSENGEFLSLDLGGSKFRVLKVQVAEEGKRHVQMESQFYPTPNEIIRNGTELFEYVADCLADFMKT
KDLKHKKLPLGLTFSFPCRQTKLEEGVLLSWTKKFKARGVQDQDVSRLTKAMRRHKDMDVDILVNDT
VGTMMTCAYDDPYCEVGVIIGTGTNACYMEDMSNIDLVEGDEGRMCINTEWGAFGDDGALEDIRTEFDRE
LDLGS LNPGKQLFEKMISGLYL GELVRLILLKMAKAGLLFGGEKSSALHTKGIETRHAAMEKYKEGLA
NTREILVDLGLPESEADCIQVHVCTIVSFRSANLCAAALAILTRLRENKKVERLRRTTVGMDGTLYKIH
PQYPKRLHKVVRKLVPSCDVRFLLSESGSTKGAAMVTAVASRVQAQRKQIDRVLALFQLTREQLVDVQAK
MRAELEYGLKKKSHGLATVRMLPTYVCGLPDGTGTEKGFALDLGGTNFRVLLVKIRSGRRSVMYKIFA
IPLEIMQGTGEELFDHIVQCIADFLDYMGLKGASLPLGFTFSFPCRQMSIDKGTGLIGWTKGFKATDCEGE
DVVDMLREAIKRRNEFDLDIVAVVNDTVGTMTCGYEDPNCEIGLIAGTGSNMCYMEDMRNIEMVEGEG
KMCINTEWGGFGDNGCIDDITRYDTEVDEGSLNPGKQRYEKMTSGMYLGEIVRQILIDLTKQGLLFRGQ
ISERLRTRGIFETKFLSQIESDRLALLQVRRILQQLGLDSTCEDSIIVVKEVCGAVSRRAQLCGAGLAAI
VEKRREDQGLEHLRITVGVDTGLYKLHPHFSRILQETVKELAPRCDVTFMLEDGSGKGAALITAVAKRL
QQAQKEN

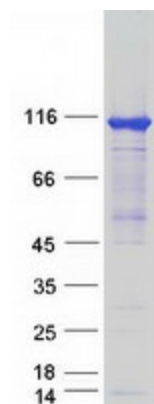
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	102.3 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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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.
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_079406
Locus ID:	80201
UniProt ID:	Q2TB90 , B3KT70
RefSeq Size:	3719
Cytogenetics:	10q22.1
RefSeq ORF:	2751
Summary:	This gene encodes a member of the hexokinase protein family. The encoded protein is involved in glucose metabolism, and reduced expression may be associated with gestational diabetes mellitus. High expression of this gene may also be associated with poor prognosis in hepatocarcinoma. [provided by RefSeq, Sep 2016]
Protein Families:	Druggable Genome

Product images:

Coomassie blue staining of purified HKDC1 protein (Cat# [TP321178]). The protein was produced from HEK293T cells transfected with HKDC1 cDNA clone (Cat# [RC221178]) using MegaTran 2.0 (Cat# [TT210002]).