

## Product datasheet for PH318644

### HRP2 (HDGFRP2) (NM\_032631) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HDGFRP2 MS Standard C13 and N15-labeled recombinant protein (NP_116020)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218644
Predicted MW:	74 kDa
Protein Sequence:	>RC218644 representing NM_032631 Red=Cloning site Green=Tags(s)

MPHAFKPGDLVFAKMKGYPHWPARIIDDIADGAVKPPPNKYPIFFFGTHETAFLGPKDLFPYDKCKDKYGK  
PNKRKGFNEGLWEIQNNPHASYSAPPPVSSSDSEAPEANPADGSDADEDEDRGVMAVTAVTATAASDRM  
ESDSDSDKSSDNSGLKRPKTPALKMSVSKRARKASSDLQASVSPSEEENSESSSESEKTSDDQFTPEKKA  
AVRAPRRGPLGGRKKKKAPSASDSDSKADSDGAKPEPVAMARSASSSSSSSSSDSDSVKPPRGRKPA  
EKPLPKPRGRKPKPERPPSSSSSDSDSDEVDRISEWKRRDEARRRELEARRRREQEELRRLREQEKEEK  
ERRRERADRGEAERGGSSGDELREDDEPVKKRGRKGRGPPSSSDSEPEAELEREAKKSAKKPQSSS  
TEPARKPGQKEKRVPEEKQQAQPVKVERTKRSEGF SMDRKEVEKKKEPSVEEKLQKLHSEIKFALKVDS  
PDVKRCLNALLELGTQVTSQILQKNTDVVATLKKIRRYKANKDVMKAAEVYTRLKSRVLPKIEAVQK  
VNKAGMEKEKAEKLAGEEELAGEEAPQEKAEDKPSTDL SAPVNGEATSQKGE SAEDKEHEEGRDSEEGPR  
CGSSEDLHDVREGPDLDRPGSDRQERERARGDSEALDEES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_116020</a></u>
RefSeq Size:	2341

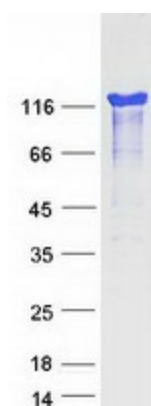


[View online »](#)

RefSeq ORF:	2010
Synonyms:	HDGF-2; HDGF2; HDGFRP2; HRP-2; HRP2
Locus ID:	84717
UniProt ID:	<a href="#">Q7Z4V5</a>
Cytogenetics:	19p13.3

**Summary:** This gene encodes a member of the hepatoma-derived growth factor (HDGF) family. The protein includes an N-terminal PWWP domain that binds to methyl-lysine-containing histones, with specific binding of this protein to tri-methylated lysines 36 and 79 of histone H3, and di- and tri-methylated lysine 20 of histone H4. The protein functions in LEDGF/p75-independent HIV-1 replication by determining HIV-1 integration site selection. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Apr 2014]

### Product images:



Coomassie blue staining of purified HDGFL2 protein (Cat# [TP318644]). The protein was produced from HEK293T cells transfected with HDGFL2 cDNA clone (Cat# [RC218644]) using MegaTran 2.0 (Cat# [TT210002]).