

Product datasheet for PH300609

HGS (NM_004712) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HGS MS Standard C13 and N15-labeled recombinant protein (NP_004703)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200609
Predicted MW:	86.2 kDa
Protein Sequence:	>RC200609 protein sequence Red=Cloning site Green=Tags(s)
	MGRGSGTFERLLDKATSQLLLETDWESILQICDLIRQGDQAKYAVNSIKKKVNDKNPHVALYALEVMES VVKNCGQTVHDEVANKQTMEELKDLLKRQVEVNVNRNKILYLIQAWAHAFRNEPKYKVVQDQTYQIMKVEGH VFPEFKESDAMFAAERAPDWDAEECHRCRVQFGVMTRKHHCRCACGQIFCGKCSSKYSTIPKFGIEKEVR VCEPCYEQLNRKAEGKATSTTELPPEYLTSPLSQSQLPPKRDETALQEEEEQLALALSQSEAEKERL RQKSTYTSYPKAEPMPSASSAPPASSLYSSPVNSSAPLAEDIDPELARYLNRNYWEKKQEEARKSPTPSA PVPLTEPAAQPGEGHAAPTNNVENPLPETDSQPIPPSGGPFSEPFHNGESEESHEQFLKALQNAVTTFFV NRMKSNHMRGRSITNDSAVLSLFSINGMHPQLLELLNQLDERRLYEGLQDKLAQIRDARGALSALREE HREKLRRAAEEAERQRQIQLAQKLEIMRQKKQEYLEVQRQLAIQRLQEKEKERQMRLEQQKQTVQMRMQM PAFPLPYAQLQAMPAAGGVLYQPSGPASFPSTFSPAGSVEGSPMHGVYMSQPAPAAGPYPSPMPSTAADPS MVSAYMPAGATGAQAAPQAQAGPTASPAYSSYQPTPTAGYQNVASQAPQSLPAISQPPQSSTMGYMGSQ SVSMGYQPYNMQNLMTLLPSQDASLPPQQPYIAGQQPMYQMAPSGGPPQQPPVAQQPQAQGGPPAQQGSE AQLISFD
	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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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>NP_004703</u>



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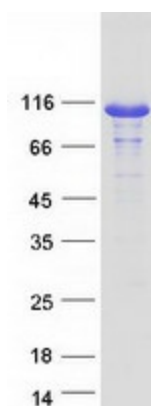
RefSeq Size: 2986
RefSeq ORF: 2331
Synonyms: HRS
Locus ID: 9146
UniProt ID: [Q14964](#), [A0A0S2Z4R4](#)
Cytogenetics: 17q25.3

Summary: The protein encoded by this gene regulates endosomal sorting and plays a critical role in the recycling and degradation of membrane receptors. The encoded protein sorts monoubiquitinated membrane proteins into the multivesicular body, targeting these proteins for lysosome-dependent degradation. [provided by RefSeq, Dec 2010]

Protein Families: Druggable Genome

Protein Pathways: Endocytosis

Product images:



Coomassie blue staining of purified HGS protein (Cat# [TP300609]). The protein was produced from HEK293T cells transfected with HGS cDNA clone (Cat# [RC200609]) using MegaTran 2.0 (Cat# [TT210002]).