

Product datasheet for PH303107

HRSP12 (RIDA) (NM_005836) Human Mass Spec Standard

Product data:

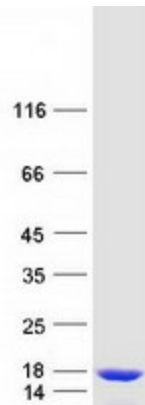
Product Type:	Mass Spec Standards
Description:	HRSP12 MS Standard C13 and N15-labeled recombinant protein (NP_005827)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203107
Predicted MW:	14.5 kDa
Protein Sequence:	>RC203107 protein sequence Red =Cloning site Green =Tags(s) MSSLIRRVISTAKAPGAI GPYSQAVLVDR TIYISGQIGMDPSSGQLVSGGVAEEAKQALKNMGEILKAAG CDFTNVVKTTVLLADINDFNTVNEIYKQYFKSNFPARAAYQVAALPKGSRIEIEAVAIQGPLTTASL 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:	NP_005827
RefSeq Size:	1011
RefSeq ORF:	411
Synonyms:	hp14.5; HRSP12; P14.5; PSP; UK114
Locus ID:	10247
UniProt ID:	P52758 , A0A024R9H2
Cytogenetics:	8q22.2



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Summary:

Catalyzes the hydrolytic deamination of enamine/imine intermediates that form during the course of normal metabolism. May facilitate the release of ammonia from these potentially toxic reactive metabolites, reducing their impact on cellular components. It may act on enamine/imine intermediates formed by several types of pyridoxal-5'-phosphate-dependent dehydratases including L-threonine dehydratase.[UniProtKB/Swiss-Prot Function]

Product images:

Coomassie blue staining of purified RIDA protein (Cat# [TP303107]). The protein was produced from HEK293T cells transfected with RIDA cDNA clone (Cat# [RC203107]) using MegaTran 2.0 (Cat# [TT210002]).