

## Product datasheet for PH313848

### SPIRE1 (NM\_020148) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SPIRE1 MS Standard C13 and N15-labeled recombinant protein (NP_064533)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213848
Predicted MW:	67.1 kDa
Protein Sequence:	>RC213848 protein sequence Red=Cloning site Green=Tags(s)

MANTVEADGSNDEGYEAAEEGLGDEDEKRIKISAIRSYRDMKLCAAHLPTESDAPNHQAVCRALFAETM  
ELHTFLTKIKSAKENLKKIQEMEKSDDESSTLEELKNADWARFVWQVMDLRNGVKLKKVQERQYNPLPI  
EYQLTPYEMLMDDIRCKRYTLRKVMVNGDIPRLKKSAAHEIILDFIRSRPPLNPVSARKLKPTPPRPSL  
HERILEEIKAEKLRPVSPEEIRRSRLDVTTPSTKNLVESSMVNGGLTSQTKENGLSTSQQVPAQRKLL  
LRAPTLAELDSSESEETLHKSTSSSSVSPFPPEEPVLEAVSTRKPPKFLPISSTPQERRQPPQRRHS  
IEKETPTNVRQFLPPSRQSSRSLEEFQYVVECLALTVVEVMHIRQVLVKALEKYQQYKDIYTALKKGL  
CFCRRTRRF SFF TWSYTCQFCKRPVCSQCCKMRLPSKPYSTLPIFSLGPSALQRGESSMRSEKPSAHH  
RPLRSIARFSSKSKSMDKSDEELQFPKELMEDWSTMEVCVDCCKFISEIISSSRRSLVLANKRARLKRKT  
QSFYMSSPGPSEYCPSEITSEI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_064533</a>
RefSeq Size:	5402
RefSeq ORF:	1749



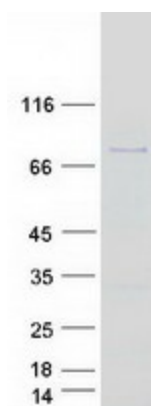
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Synonyms: Spir-1  
Locus ID: 56907  
UniProt ID: [Q08AE8](#)  
Cytogenetics: 18p11.21

Summary: Spire proteins, such as SPIRE1, are highly conserved between species. They belong to the family of Wiskott-Aldrich homology region-2 (WH2) proteins, which are involved in actin organization (Kerkhoff et al., 2001 [PubMed 11747823]).[supplied by OMIM, Mar 2008]

Protein Pathways: Dorso-ventral axis formation

### Product images:



Coomassie blue staining of purified SPIRE1 protein (Cat# [TP313848]). The protein was produced from HEK293T cells transfected with SPIRE1 cDNA clone (Cat# [RC213848]) using MegaTran 2.0 (Cat# [TT210002]).