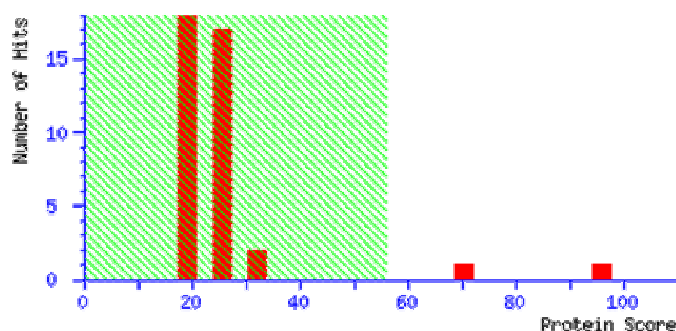


# MATRIX SCIENCE Mascot Search Results

User : Tosifusa Toda  
 Email : ttoda@proteome.jp  
 Search title : TIG3-ssp4221  
 Database : SwissProt 2017\_12 (556388 sequences; 199430408 residues)  
 Taxonomy : Homo sapiens (human) (20245 sequences)  
 Timestamp : 26 Dec 2017 at 04:01:40 GMT  
 Top Score : 96 for **ACTB\_HUMAN**, Actin, cytoplasmic 1 OS=Homo sapiens GN=ACTB PE=1 SV=1

## Mascot Score Histogram

Protein score is  $-10 \cdot \log(P)$ , where P is the probability that the observed match is a random event. Protein scores greater than 56 are significant ( $p < 0.05$ ).



## Concise Protein Summary Report

Format As	Concise Protein Summary	<a href="#">Help</a>
Significance threshold p<	0.05	Max. number of hits
Preferred taxonomy	All entries	

[Re-Search All](#)
[Search Unmatched](#)

1.	<a href="#">ACTB_HUMAN</a>	Mass: 42052	Score: <b>96</b>	Expect: 5.2e-06	Matches: 11
	Actin, cytoplasmic 1 OS=Homo sapiens GN=ACTB PE=1 SV=1				
	<a href="#">ACTG_HUMAN</a>	Mass: 42108	Score: <b>96</b>	Expect: 5.2e-06	Matches: 11
	Actin, cytoplasmic 2 OS=Homo sapiens GN=ACTG1 PE=1 SV=1				
	<a href="#">ACTBL_HUMAN</a>	Mass: 42318	Score: 32	Expect: 12	Matches: 5
	Beta-actin-like protein 2 OS=Homo sapiens GN=ACTBL2 PE=1 SV=2				
	<a href="#">SEAS1_HUMAN</a>	Mass: 16430	Score: 26	Expect: 47	Matches: 3
	Putative uncharacterized protein SERTAD4-AS1 OS=Homo sapiens GN=SERTAD4-AS1 PE=5 SV=2				
	<a href="#">EXO5_HUMAN</a>	Mass: 42132	Score: 22	Expect: 1.1e+02	Matches: 4
	Exonuclease V OS=Homo sapiens GN=EXO5 PE=1 SV=1				
2.	<a href="#">ACTC_HUMAN</a>	Mass: 42334	Score: <b>68</b>	Expect: 0.0035	Matches: 9
	Actin, alpha cardiac muscle 1 OS=Homo sapiens GN=ACTC1 PE=1 SV=1				
	<a href="#">ACTS_HUMAN</a>	Mass: 42366	Score: <b>67</b>	Expect: 0.004	Matches: 9
	Actin, alpha skeletal muscle OS=Homo sapiens GN=ACTA1 PE=1 SV=1				
	<a href="#">ACTH_HUMAN</a>	Mass: 42249	Score: 55	Expect: 0.058	Matches: 8
	Actin, gamma-enteric smooth muscle OS=Homo sapiens GN=ACTG2 PE=1 SV=1				
	<a href="#">ACTA_HUMAN</a>	Mass: 42381	Score: 55	Expect: 0.061	Matches: 8
	Actin, aortic smooth muscle OS=Homo sapiens GN=ACTA2 PE=1 SV=1				
3.	<a href="#">NEUL3_HUMAN</a>	Mass: 29626	Score: 29	Expect: 23	Matches: 4
	E3 ubiquitin-protein ligase NEURL3 OS=Homo sapiens GN=NEURL3 PE=2 SV=2				

## Search Parameters

Type of search : Peptide Mass Fingerprint  
Enzyme : Trypsin  
Fixed modifications : Carbamidomethyl (C)  
Variable modifications : Oxidation (M)  
Mass values : Monoisotopic  
Protein Mass : Unrestricted  
Peptide Mass Tolerance :  $\pm 0.5$  Da  
Peptide Charge State : 1+  
Max Missed Cleavages : 1  
Number of queries : 20

**Mascot:** <http://www.matrixscience.com/>