MASCOT Search Results

Protein View: XP_023922675.1

uncharacterized protein LOC112034124 [Quercus suber]

Database:	NCBIprot
Score:	85
Expect:	0.023
Monoisotopic mass (M_r):	29476
Calculated pI:	9.04
Taxonomy:	**Quercus suber**

This protein sequence matches the following other entries:

- `POE97701.1` from **Quercus suber**

Sequence similarity is available as **an NCBI BLAST search of XP_023922675.1 against nr**.

Search parameters

Enzyme:	Trypsin: cuts C-term side of KR unless next residue is P.
Fixed modifications:	**Carbamidomethyl (C)**
Variable modifications:	**Oxidation (M)**
Mass values searched:	20
Mass values matched:	10

Protein sequence coverage: 44%

Matched peptides shown in ***bold red***.

1 MLIQRPRPMI GKLSELLVAG NR**AGFSDMVT ISPRGPLELN KLQSPR**GLK**N**
51 **YDLGGVGLGI VAALEK**SREG CGREILAKYA VATANLNR**SS PIPVDSSKST**
101 **STCGR**YGNKG CEELLQGDNC EEDYTYVTCR GQGK**SITRVF YEIDDCR**TSG
151 QQRNGLQRCN KR**STVTVKES RPRYEEDFSA YPTSYFLSSC HLCSKK**LHGK
201 DIYMYRGEKA FCSPECR**SRQ IMMDER**KEQQ CRSEAPRSAD VSSSSYTRGQ
251 IFSTGIVAI

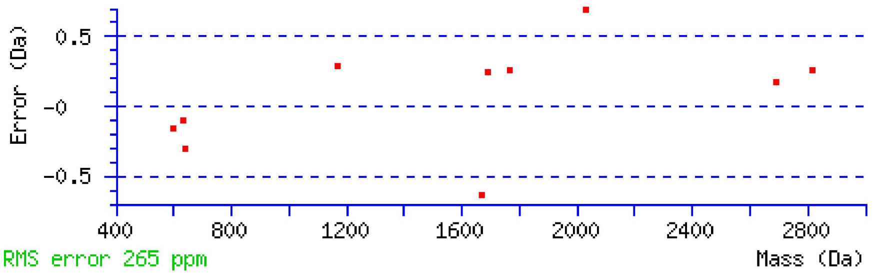
Unformatted sequence string: **259 residues** (for pasting into other applications).

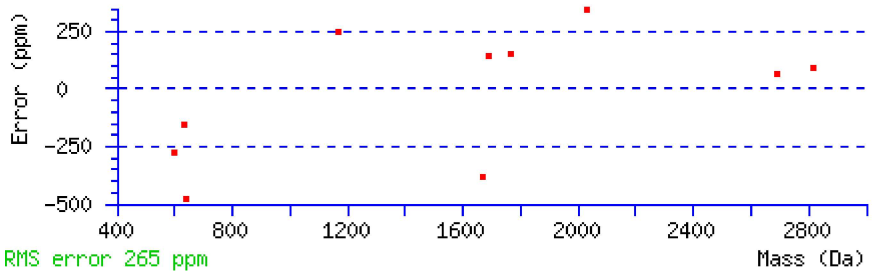
Sort by ● residue number ○ increasing mass ○ decreasing mass

Show ● matched peptides only ○ predicted peptides also

Start - End	Observed	Mr(expt)	Mr(calc)	Delta	M	Peptide
23 - 41	2032.7470	2031.7397	2031.0459	0.6938	1	R.AGFSDMVTISPRGPLELNK.L
42 - 46	600.1810	599.1737	599.3391	-0.1654	0	K.LQSPR.G
50 - 66	1689.1610	1688.1537	1687.9145	0.2392	0	K.NYDLGGVGLGIVAALEK.S
89 - 105	1766.1040	1765.0967	1764.8312	0.2655	1	R.SSPIPVDSSKSTSTCGR.Y
135 - 147	1673.1630	1672.1557	1672.7879	-0.6322	1	K.SITRVFYEIDDCR.T
163 - 168	634.2810	633.2737	633.3698	-0.0960	0	R.STVTVK.E
169 - 173	644.0400	643.0327	643.3401	-0.3074	0	K.ESRPR.Y
174 - 195	2691.3110	2690.3037	2690.1305	0.1732	0	R.YEEDFSAYPTSYFLSSCHLCSK.K
174 - 196	2819.4960	2818.4887	2818.2254	0.2633	1	R.YEEDFSAYPTSYFLSSCHLCSKK.L
218 - 226	1165.8390	1164.8317	1164.5379	0.2938	1	R.SRQIMMDER.K

No match to: 650.0690, 666.0640, 1625.1730, 1683.1430, 1697.1850, 1708.1300, 1891.3770, 1994.4150, 2706.1150, 4066.2320





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LOCUS       XP_023922675             259 aa            linear   PLN 15-FEB-2018
DEFINITION  uncharacterized protein LOC112034124 [Quercus suber].
ACCESSION   XP_023922675
VERSION     XP_023922675.1
DBLINK      BioProject: PRJNA433227
DBSOURCE    REFSEQ: accession XM_024066907.1
KEYWORDS    RefSeq.
SOURCE      Quercus suber
  ORGANISM  Quercus suber
            Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
            Spermatophyta; Magnoliophyta; eudicotyledons; Gunneridae;
            Pentapetalae; rosids; fabids; Fagales; Fagaceae; Quercus.
COMMENT     MODEL REFSEQ:  This record is predicted by automated computational
            analysis. This record is derived from a genomic sequence
            (NW_019813743.1) annotated using gene prediction method: Gnomon,
            supported by EST evidence.
            Also see:
                Documentation of NCBI's Annotation Process
```

```
            ##Genome-Annotation-Data-START##
            Annotation Provider         :: NCBI
            Annotation Status           :: Full annotation
            Annotation Name             :: Quercus suber Annotation Release 100
            Annotation Version          :: 100
            Annotation Pipeline         :: NCBI eukaryotic genome annotation
                                           pipeline
            Annotation Software Version :: 8.0
            Annotation Method           :: Best-placed RefSeq; Gnomon
            Features Annotated          :: Gene; mRNA; CDS; ncRNA
            ##Genome-Annotation-Data-END##
            COMPLETENESS: full length.
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                     /db_xref="GeneID:112034124"
```

Mascot: http://www.matrixscience.com/