Note: Performing your original search, *neuroligin 3 homologue*, in HomoloGene will retrieve 9 records.

I: HomoloGene:23133. Gene conserved in Fungi/Metazoa group

**Genes**
Genes identified as putative homologs of one another during the construction of HomoloGene.

- NLGN3, Homo sapiens
  - neurologin 3
- NLGN3, Pan troglodytes
  - neurologin 3
- NLGN3, Canis lupus familiaris
  - neurologin 3
- NLGN3, Bos taurus
  - neurologin 3
- Nlgn3, Mus musculus
  - neurologin 3
- Nlgn3, Rattus norvegicus
  - neurologin 3
- LOC562702, Danio rerio
  - similar to neurologin 3
- CG34127, Drosophila melanogaster
  - CG34127
- AgaP_AGAP003568, Anopheles gambiae
  - AGAP003568-PA
- MGG_10414, Magnaporthe grisea
  - hypothetical protein
- NCU00761.1, Neurospora crassa
  - hypothetical protein

**Proteins**
Proteins used in sequence comparisons and their conserved domain architectures.

- NP_061850.2
  - 828 aa
- XP_001135251.1
  - 835 aa
- XP_848852.1
  - 848 aa
- NP_001068972.1
  - 808 aa
- NP_766520.1
  - 825 aa
- NP_599163.1
  - 848 aa
- XP_001920440.1
  - 799 aa
- NP_001036685.1
  - 1148 aa
- XP_562412.3
  - 751 aa
- XP_366195.1
  - 536 aa
- XP_324941.1
  - 608 aa

**Conserved Domains**
Conserved Domains from CDD found in protein sequences by rpsblast searching.

- Esterase_lipase (cl09107)
  - Esterases and lipases (includes fungal lipases, cholinesterases, etc.) These enzymes act on carboxylic esters (EC: 3.1.1.-). The catalytic apparatus involves three residues (catalytic triad): a serine, a glutamate or aspartate and a histidine. These...

**Related Homology Resources**
Links to curated and computed homology information found in other databases.
Phenotypes
Phenotypic information for the genes in this entry imported from model organism databases.

Homo sapiens
MIM:300425
Autism, susceptibility to, X-linked-1.
MIM:300494
Asperger syndrome, susceptibility to, X-linked-1.

Mus musculus
MP:0002873
Normal phenotype.
MP:0003631
Nervous system phenotype.
MP:0005374
Lethality-prenatal/perinatal.
MP:0005378
Growth/size phenotype.
MP:0005386
Behavior/neurological phenotype. The observable actions or reactions of mammalian organisms that are manifested through development and lifespan.
MP:0005388
Respiratory system phenotype.
MP:0005389
Reproductive system phenotype.

UniGene
Links to groups of transcribed sequences established by tblastn searching of UniGene.

Bl.10475, Bos taurus
Neuroligin 3

Cfa.41039, Canis lupus familiaris
Neuroligin 3

Dm.17109, Drosophila melanogaster
CG34127

Hs.438877, Homo sapiens
Neuroligin 3

Mm.121508, Mus musculus
Neuroligin 3

Ppr.978, Pimephales promelas
Transcribed locus, strongly similar to XP_691171.2
PREDICTED: similar to neu...

PubMed
Articles associated with genes and sequences of this entry plus additional related articles.

Gutierrez RC, et al.

Radyushkin K, et al.

Missler M, et al.

Pampanos A, et al.

Wermter AK, et al.

See all 32 PubMed Search Results
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