

약어	용어풀이	뜻(한글)
5HT	serotonin	세로토닌
aa	amino acid	아미노산
AC	adenylate cyclase	아데닐레이트 고리화효소
Ach	acetylcholine	아세틸콜린
action potential		활성전위
alternative splicing		선택적 이어맞추기
AMPA	$\alpha$ -amino-3 hydroxy-5-methyl-4-isoxazolepropionic acid receptor	AMPA 수용체
Brain stem		뇌간
CaMKII	Ca <sup>2+</sup> -calmodulin-dependent protein kinase II	칼슘-칼모둘린 의존성 단백질 키나아제 II
cAMP	cyclic adenosine monophosphate	고리 AMP
CASK	calcium/calmodulin-dependent serine protein kinase III	scaffold protein 중 하나
chromosome		염색체
Ci protein	Cubitus interruptus: transcription factor involved in the Hedgehog signaling pathway	
Ci-activator	Ci(Cubitus interruptus: transcription factor involved in the Hedgehog signaling pathway) activator	
clathrin		클라트린
COOH	carboxyl group /c말단	화학적, 수산기
CREB	cAMP(cyclic adenosine monophosphate) response element-binding protein	cAMP반응요소결합단백
Cript	cysteine-rich PDZ-binding protein	
cytokine		시토카인
cytosol		세포액
DA	dopamine	도파민
DAG	diacylglycerol	디아실글리세롤
dendrite		수상돌기
dynamin		디나민
E	epinephrine	에피네프린
endocytosis		엔도시토시스/내포작용, 세포내섭취
ER	endoplasmic reticulum	소포체
ErbB4	erb-b2 receptor tyrosine kinase IV	
ERK	extra cellular signal regulated kinase	세포외신호조절키나아제
exocytosis		외포작용, 세포외배출

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exon	의미있는 유전 정보가 담긴 곳	엑손
extra synaptic		시냅스 외
F-actin	filamentous actin	F-액틴
Fyn	Proto-oncogene tyrosine-protein kinase	
GABA	gamma amino butyric acid /억제성	가바
G-actin	globular actin	
GEF	Guanine nucleotide exchange factor: GTP -> GDP	
Gephyrin		
GK	guanylate kinase-like	
GKAP	guanylate kinase associated protein	
Glu	glutamate/ 흥분성	
GPCR	G-protein coupled receptor	
Grb2	growth factor receptor-bound protein II	
GRIP	glutamate receptor-interacting protein I	scaffold protein 중 하나
growth cone		성장원추
GTP	guanosine triphosphate	
Gα		
Hh	hedgehog	
Homer		scaffold protein 중 하나
inotropic receptor		이온성수용체
intron	단백질 합성과 무관한 유전정보가 담긴 부분/cf, exon	인트론
invertebrate		무척추동물
IP3	inositol triphosphate	이노시톨삼인산
IP3R	inositol triphosphate receptor	이노시톨삼인산 수용체
JAK pathway	Janus kinase pathway	
k	kinase	
Kainate	kainic acid	카이닉산
ligand		배위자
LSU	large subunit (of ribosome)	
LTD	long-term depression	
LTP	long-term potentiation	
lysosome	ribosome 과 lysosome 은 다름	용해소체
lysosome degradation		용해소체 분해: 용해소체가 분해함

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MAP	mitogen activated protein	mitogen: 미토겐, 분열촉진물질, 유사분열물질, mitogen activated protein 미토겐활성화단백질키나아제
MAPK	mitogen activated protein kinase	유사분열 촉진단백질 키나아제
MAPKK	mitogen activated protein kinase kinase	
MEK	serine/tyrosine/threonine kinase	
metabolic receptor		대사성 수용체
mGluR	metabotropic glutamate receptors	대사성 글루탐산 수용체
microtubule		미세소관
Mint	munc18-interacting protein	scaffold protein 중 하나
mLin complex		
mRNA	messenger RNA	
myosin		미오신
nAch	Nicotinic acetylcholine	
NE	norepinephrine	노르에피네프린
neuregulin		뉴레글린
NF-KB	nuclear factor kappa-B	
NH2	n 말단	아미노기/화학식
NMDAR	N methyl-D-aspartate receptor	NMDA 수용체
notch cytosol		notch 세포액
NR1	NMDAR 1	
NR2	NMDAR 2	
NR2A	NMDAR 2A	
NSF signal	N-Ethylmaleimide-sensitive fusion protein	
ORX1	olfactory receptor 13H1	
p	protein	
p	phosphate	
p	protease	
PDK-1	3'-phosphoinositide-dependent kinase-1	
PDZ domain	a protein domain	scaffold protein 중 하나
peroxisome		퍼옥시좀
physiological		생리적인
PI3K	phosphatidyl inositol III kinase (3번째 carbon에 인산기 붙임)	
PICK1	Protein Interacting with C Kinase I	scaffold protein 중 하나
PIP3	Phosphatidyl Inositol-3,4,5-trisphosphate	

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PKA	protein kinase A	단백질кина제 A
PKC	protein kinase C	단백질кина제 C
PLC	phospholipase C	인지질가수분해효소 C
PP1	protein phosphatase 1	
PP2B	protein phosphatase 2B	
proteasome		프로테아좀
PSD-95	95-kDa postsynaptic density protein	scaffold protein 중 하나
PYK2	proline-rich tyrosine kinase 2	
Q/R editing point		glutamine (Q)이 arginine (R)으로 editing 되는 지점
R/G editing point		arginine (R)이 glycine (G)으로 editing 되는 지점
Rab	rat androgen-binding protein	
Raf	rapidly accelerated fibrosarcoma	
Rap	receptor associated protein	
Ras	family of proteins belong to a class of small GTPase	
RasGEF	guanine nucleotide exchange factors for Ras	
RER	rough endoplasmic reticulum	조면소포체
ribosome	단백질 합성하는 곳	리보솜
RNA	ribonucleic acid	리보핵산
RNA POL II	RNA polymerase II	RNA 중합효소
rRNA	ribosomal RNA	
RTK	receptor tyrosine kinase	
scaffold	scaffold protein/ chromosome scaffold 염색체 골격	골격 단백질
SER	smooth endoplasmic reticulum	활면 소포체
SH	Src homology domain: one of the two small protein binding domains found in the Src oncoprotein	
Shank	SH3 and multiple ankyrin repeat domains protein	
smad	SMA & MAD(mothers against DPP(decapentaplegic) homolog(drosophila))	TGF-β 리간드에서 핵으로 전송되는 세포 밖의 신호를 변환시키는 세포 내 단백질
Snare complex	soluble N-ethylmaleimide-sensitive fusion factor attachment protein receptor	Snare 복합체
Spar		
spine	dendritic spine	수상돌기 가지
Src	proto-oncogene tyrosine-protein kinase 발음은 "sarc"	sarcoma(육종)를 일으키는 단백질

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S-SCAM	Synaptic scaffolding molecule	scaffold protein 중 하나
SSU	small subunit (of ribosome)	
stargazin		
STAT	signal transducer and activator of transcription	
STEP	STriatal-Enriched protein tyrosine Phosphatase	
stroma		버팀질, 간질
SynGAP	synaptic Ras GTPase-activating Protein	
Tau	tau protein	미세소관(microtubule)을 안정화시켜주는 단백질
Tau tangle		타우 매듭
TF	transcription factor	전사인자
TGFβ	transforming growth factor β	
TGN	trans-Golgi network	골지체 성숙면(세포막과 가까운 면, trans 면), cis- Golgi network는 골지체 형성면(cis면)
thylakoid		틸라코이드
TNFα	tumor necrosis factor α	
trafficking		
transcription		전사
tumor necrosis		종양괴사
ubiquitin	regulatory protein found in most tissues of eukaryotic organisms i.e. it occurs ubiquitously	유비퀴틴
Wnt		신호 당단백질의 일종
YEKL	Y=tyrosine, E=glutamate, K=lysine, L-leucine	아미노산 약어=티로신 글루타메이트, 리신, 류 신
β-catenin		