Leader in Biomolecular Solutions for Life Science

www.abclonal.com

BDNF Knockdown HeLa Cell Lysate, Heterozygous

Catalog No.: RM01983

Basic Information

Catalog No.
RM01983

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockdown

Gene Information

Gene Symbol
BDNF

Species
Human

Gene ID
627

Swiss Prot
P23560

Synonyms
ANON2; BULN2

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Background

This gene encodes a member of the nerve growth factor family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature protein. Binding of this protein to its cognate receptor promotes neuronal survival in the adult brain. Expression of this gene is reduced in Alzheimer's, Parkinson's, and Huntington's disease patients. This gene may play a role in the regulation of the stress response and in the biology of mood disorders. [provided by RefSeq, Nov 2015]

Product Information

Description
BDNF Knockdown HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:179bp deletion in exon1
Allele-2:161bp deletion in exon1
Mammalian cells such as human, rat and mouse cells are normally diploid with two alleles. Homozygote: both alleles were knocked out, mRNA has no signal, no expression of proteins. Heterozygote: only one allele was knocked out, the mRNA transcript levels was decreased compared to wild type, and the protein expression levels was also lower than that of the wild type.

Packaging
1 vial parental cell Lysate and 1 vial knockout cell Lysate

Shipping Conditions
4℃

Amount
50μL, 2μg/μL.

Storage
Store at -20℃

Protocol
To be used as WB control. Lysate is supplied in 1× SDS sample buffer (2% SDS, 60 mM Tris-HCl pH 6.8, 10% Glycerol, 0.02% Bromophenol blue, 60 mM beta-mercaptoethanol). Lysate should be boiled for 3 - 5 minutes before loading onto gel.

Sequencing data

```
WT    GGTGGCTTGGCCTA**************TGATGCTCAGTAGT
Mut   GGTGGCTTGGCCTA***Deletion***TGATGCTCAGTAGT
Allele-1: 179bp deletion in exon1

WT    CTACCCAGGTGTGC**************TCCAGGGTGATGCT
Mut   CTACCCAGGTGTGC***Deletion***TCCAGGGTGATGCT
Allele-2: 161bp deletion in exon1
```

Genome sequence analysis of PCR products from parental (WT) and BDNF Knockdown (KD) HeLa cells, using sanger sequencing.

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.