

Recombinant Full Length Human NPAS2 Protein, GST-tagged

Cat. No. NPAS2-6606HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NPAS2 full-length ORF (AAH51351.2, 1 a.a. - 824 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	824 amino acids
Description	The protein encoded by this gene is a member of the basic helix-loop-helix (bHLH)-PAS family of transcription factors. A similar mouse protein may play a regulatory role in the acquisition of specific types of memory. It also may function as a part of a molecular clock operative in the mammalian forebrain. [provided by RefSeq
Molecular Mass	118.2 kDa
AA Sequence	MDEDEKDRAKRASRNKSEKKRRDQFNVLIKELSSMLPGNTRKMDKTTVLEKVIGFL QKHNEVSAQTEICDIQQDWKPSFLSNEEFTQLMLEALDGFIIAVTTDGSIIYVSDSITPL LGHLPSDVMDQNLNLFPEQEHSEVYKILSSHMLVTDSPSPPEYLKSDSDLEFYCHLL RGS LNPKEFPTYEYIKFVGNFRSYNNVPSPCNGFDNTLSRPCRVPLGKEVCFIATV RLATPQFLKEMCIVDEPLEEFTSRHSLEWKFLFLDHRAPPIIGYLPFEVLGTSGYDYY HIDDLELLARCHQHLMQFGKGKSCCYRFLTKGQQWIWLQTHYYITYHQWNSKPEFI VCTHSVVSYADVRRERRQELALEDPPEALHSSALKDKGSSLEPRQHFNALDV GAS GLNTSHSPSASSRSSHKSSHTAMSEPTSTPTKLMAEASTPALPRSATLPQELPVPGL SQAATMPAPLPSPSSCDLTQQLLPQTVLQSTPAPMAQFSAQFSMFQTIKDQLEQRT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

RILQANIRWQQEELHKIQEQCLVQDSNVQMFLQQPAVSLSFSSTQRPEAQQQLQQ
 RSAAVTQPQLGAGPQLPGQISSAQVTSQHLLRESSVISTQGPKPMRSSQLMQSSGR
 SGSSLVSPFSSATAALPPSLNLTTTPASTSQDASQCQPSPDFSHDRQLRLLLSQPIQP
 MMPGSCDARQPSEVSRTGRQVKYAQSQTQVFNPDHPANSSAPMPVLLMGQAV
 LHPSFPASQPSPLQPAQARQPPQHLYLQVQAPTSLSHSEQQDSLLLSTYSQQPGTL
 GYPQPPPAQPQPLRPPRRVSSLSSESSGLQQPPR

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

NPAS2 neuronal PAS domain protein 2 [Homo sapiens]

Official Symbol

NPAS2

Synonyms

NPAS2; neuronal PAS domain protein 2; neuronal PAS domain-containing protein 2;
 bHLHe9; MOP4; PASD4; neuronal PAS2; member of PAS protein 4; member of PAS
 superfamily 4; PAS domain-containing protein 4; basic-helix-loop-helix-PAS protein
 MOP4; class E basic helix-loop-helix protein 9; FLJ23138; MGC71151;

Gene ID

4862

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mRNA Refseq	NM_002518
Protein Refseq	NP_002509
MIM	603347
UniProt ID	Q99743

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