

Recombinant Full Length Human DIAPH3 Protein, GST-tagged

Cat. No. DIAPH3-2558HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DIAPH3 full-length ORF (NP_112194.2, 1 a.a. - 849 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	849 amino acids
Description	This gene encodes a member of the diaphanous subfamily of the formin family. Members of this family are involved in actin remodeling and regulate cell movement and adhesion. Mutations in this gene are associated with autosomal dominant auditory neuropathy 1. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]
Molecular Mass	124.5 kDa
AA Sequence	MSEERSLSLLAKAVDPRHPNMMTDVVKLLSAVCIVGEESILEEVLEALTSAGEEKKID RFFCIVEGLRHNSVQLQVACMQLINALVTSPDDLDFRLHIRNEFMRCGLKEILPNLKC KNDGLDIQLKVDFEHKEEDLFELSHRLEDIRAELDEAYDVYNMVWSTVKETRAEGYF ISILQHLLLRNDYFIRQQYFKLIDECVSQIVLHRDGMDFDFTYRKRLDLDTQFVDICI DQAKLEEFEEKASELYKKFEKEFTDHQETQAE LQKKEAKINELQAE LQAFKSQFGAL PADCNIP LPPSKEGGTGHSALPPPPLPSGGGVPPPPPPPPPPPLPGMRMPFSGPV PPPPPLGFLGGQNSPPLPILPFG LKPKKEFKPEISMRRLNWLKIRPHEMTENC FWIKV NENKYENVDLLCKLENTFCCQQKERREEEDIEEKKSIKKKIKELKFLDSKIAQNLSIFL

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SSFRVPYEEIRMMILEVDETRLAESMIQNLIKHLDPQEQLNSLSQFKSEYSNLCEPEQ
FVVVMSNVKRLRPRLSAILFKLQFEEQVNNIKPDIMAVSTACEEIKKSKSFSKLLELVL
LMGNYMNAGSRNAQTFGFNLSSLCKLKDTKSADQKTTLLHFLVEICEEKYPDILNFV
DDLEPLDKASKVSVETLEKNLRQMGRQLQQLEKELETFPFPEDLHDKFVTKMSRFVI
SAKEQYETLSKLHENMEKLYQSIIGYYAIDVKKVSVEDFLTDLNNFRTTFMQAIKENIK
KREAAEKEKRVRIAKELAERERLERQQKKKRLLEMKTEGDETGVMDNLLEALQSGA
AFRDRRKRTPM PKDVRQSLSPMSQRPVLKVCNHGNKPYL

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**

DIAPH3 diaphanous homolog 3 (Drosophila) [Homo sapiens]

Official Symbol

DIAPH3

Synonyms

DIAPH3; diaphanous homolog 3 (Drosophila); auditory neuropathy, autosomal dominant 1 , AUNA1, diaphanous (Drosophila, homolog) 3; protein diaphanous homolog 3; AN; DRF3; FLJ34705; NSDAN; diaphanous-related formin 3; diaphanous-related formin-3; auditory neuropathy, autosomal dominant 1; DIA2; AUNA1; diap3; mDia2; DKFZp434C0931; DKFZp686A13178;

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Gene ID	81624
mRNA Refseq	NM_001042517
Protein Refseq	NP_001035982
MIM	614567
UniProt ID	Q9NSV4

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