

## Recombinant Human DIAPH3 Protein, GST-tagged

**Cat. No.** DIAPH3-2623H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human DIAPH3 full-length ORF ( NP_112194.2, 1 a.a. - 849 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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]
<b>Molecular Mass</b>	124.5 kDa
<b>AA Sequence</b>	MSEERSLSLLAKAVDPRHPNMMTDVVKLLSAVCIVGEESILEEVLEALTSAGEEKKID RFFCIVEGLRHNSVQLQVACMQLINALVTSPDDLDFRLHIRNEFMRCGLKEILPNLKC KNDGLDIQLKVFDEHKEEDLFELSHRLEDIRAELDEAYDVYNMVWSTVKETRAEGYF ISILQHLLLRNDYFIRQQYFKLIDECVSQIVLHRDGMDFTYRKRDLDLTQFVDICI DQAKLEEFEEKASELYKKFEKEFTDHQETQAELQKKEAKINELQAELQAFKSQFGAL PADCNIPPLPPSKEGGTGHSA LPPPPPLPSGGGVPPPPPPPPPPPLPGMRMPFSGPV PPPPPLGFLGGQNSPPLPILPFGLKPKKEFKPEISMRRLNWLKIRPHEMTENC FWIKV NENKYENVDLLCKLENTFCCQQKERREEEDIEEKKSIIKKIKELKFLDSKIAQNLSIFL SSFRVPYEEIRMMILEVDETRLAESMIQNLIKHLDPDQEQLNSLSQFKSEYSNLCEPEQ

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FVVVMSNVKRLRPRLSAILFKLQFEEQVNNIKPDIMAVSTACEEIKKSKSFSKLLELVL  
 LMGNYMNAGSRNAQTGFNLSLCKLKDTKSADQKTTLLHFLVEICEEKYPDILNFV  
 DDLEPLDKASKVSVETLEKNLRQMGRQLQQLEKELETFPPPEDLHDKFVTKMSRFVI  
 SAKEQYETLSKLHENMEKLYQSIIGYYAIDVKKVSVEDFLTDLNNFRRTTFMQAIKENIK  
 KREAEEKEKRVRIAKELAERERLERQQKKRLLMKTEGDETGVMDNLLLEALQSGA  
 AFRDRRKRTPMPKDVRQSLSPMSQRPVLKVCNHGNKPYL

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	DIAPH3 diaphanous homolog 3 (Drosophila) [ Homo sapiens ]
<b>Official Symbol</b>	DIAPH3
<b>Synonyms</b>	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;
<b>Gene ID</b>	81624



mRNA Refseq	NM_001042517
Protein Refseq	NP_001035982
MIM	614567
UniProt ID	Q9NSV4

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