Recombinant Human DIAPH3 Protein, GST-tagged

Cat. No. DIAPH3-2623H **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	Wheat Germ
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 RFFCIVEGLRHNSVQLQVACMQLINALVTSPDDLDFRLHIRNEFMRCGLKEILPNLKCI KNDGLDIQLKVFDEHKEEDLFELSHRLEDIRAELDEAYDVYNMVWSTVKETRAEGYF ISILQHLLLIRNDYFIRQQYFKLIDECVSQIVLHRDGMDPDFTYRKRLDLDLTQFVDICI DQAKLEEFEEKASELYKKFEKEFTDHQETQAELQKKEAKINELQAELQAFKSQFGAL PADCNIPLPPSKEGGTGHSALPPPPPLPSGGGVPPPPPPPPPPPLPGMRMPFSGPV PPPPPLGFLGGQNSPPLPILPFGLKPKKEFKPEISMRRLNWLKIRPHEMTENCFWIKV NENKYENVDLLCKLENTFCCQQKERREEEDIEEKKSIKKKIKELKFLDSKIAQNLSIFL SSFRVPYEEIRMMILEVDETRLAESMIQNLIKHLPDQEQLNSLSQFKSEYSNLCEPEQ

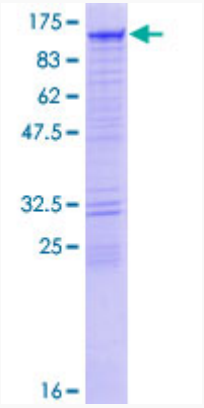
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	FVVVMSNVKRLRPRLSAILFKLQFEEQVNNIKPDIMAVSTACEEIKKSKSFSKLLELVL LMGNYMNAGSRNAQTFGFNLSSLCKLKDTKSADQKTTLLHFLVEICEEKYPDILNFV DDLEPLDKASKVSVETLEKNLRQMGRQLQQLEKELETFPPPEDLHDKFVTKMSRFVI SAKEQYETLSKLHENMEKLYQSIIGYYAIDVKKVSVEDFLTDLNNFRTTFMQAIKENIK KREAEEKEKRVRIAKELAERERLERQQKKKRLLEMKTEGDETGVMDNLLEALQSGA AFRDRRKRTPMPKDVRQSLSPMSQRPVLKVCNHGNKPYL
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-HCI, 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;
Gene ID	81624

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mRNA Refseq	NM_001042517
Protein Refseq	NP_001035982
MIM	614567
UniProt ID	Q9NSV4
Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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