

## Recombinant Human DIAPH3, GST-tagged

Cat. No. DIAPH3-11993H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human DIAPH3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** C-term-350a.a.

**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.

**Storage** The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

**Gene Name** DIAPH3 diaphanous homolog 3 (Drosophila) [ Homo sapiens ]

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<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
<b>mRNA Refseq</b>	NM_001042517
<b>Protein Refseq</b>	NP_001035982
<b>MIM</b>	614567
<b>UniProt ID</b>	Q9NSV4
<b>Chromosome Location</b>	13q21.2
<b>Pathway</b>	CDC42 signaling events, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; Regulation of actin cytoskeleton, organism-specific biosystem; Regulation of actin cytoskeleton, conserved biosystem;
<b>Function</b>	Rho GTPase binding; actin binding; binding;

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