

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 ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 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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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
mRNA Refseq	NM_001042517
Protein Refseq	NP_001035982
MIM	614567
UniProt ID	Q9NSV4
Chromosome Location	13q21.2
Pathway	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;
Function	Rho GTPase binding; actin binding; binding;