

Recombinant Human DIAPH3 protein, His-tagged

Cat. No. DIAPH3-1483H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DIAPH3 protein(500-850 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	500-850 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	DQEQLNSLSQFKSEYSNLCEPEQFVVMSNVKRLRPRLSAILFKLQFEEQVNNIKPDI MAVSTACEEIKKSKSFSKLLELVLLMGNYMNAGSRNAQTFGFNLSSLCKLKDTKSAD QKTTLLHFLVEICEEKYPDILNFVDDLEPLDKASKVSVETLEKNLRQMGRQLQQLKE LETFPPEDLHDKFVTKMSRFVISAKEQYETLSKLHENMEKLYQSIIGYYAIDVKKVSV EDFLTDLNNFRTTFMQAIKENIKKREAEEKEKRVRIAKELAERERLERQQKKKRILEM KTEGDETGVMNDNLLEALQSGAAFRDRRKRTMPKDVQRSLSPMSQRPVLKVCNHG NKPYL
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,

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reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

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](#)

mRNA Refseq [NM_001042517](#)

Protein Refseq [NP_001035982](#)

MIM [614567](#)

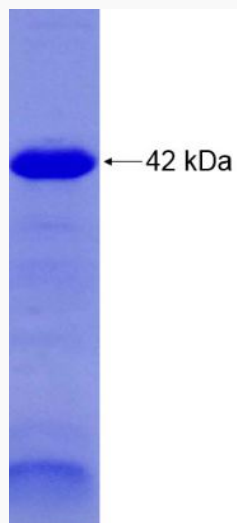
UniProt ID [Q9NSV4](#)

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SDS-PAGE

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