

Recombinant Human DIXDC1, His-tagged

Cat. No. DIXDC1-27609TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 85-258 of Human DIXDC1 with N terminal His tag; 174 amino acids, 20kDa.
Species	Human
Source	E.coli
ProteinLength	85-258 a.a.
Description	DIXDC1 belongs to the DIXDC1 family and contains 1 CH (calponin homology) domain and 1 DIX domain. The coiled coil domain mediates interaction with MAP3K4 and inhibition of AXIN1 mediated JNK activation through MAP3K4. The DIX domain mediates interaction with AXIN1 and inhibition of AXIN1 mediated JNK activation through MAP3K1. Probably also mediates interaction with DVL2. Functions as a positive effector of the Wnt signaling pathway. Regulates JNK activation by AXIN1 and DVL2.
Conjugation	HIS
Form	Lyophilised: Reconstitute with 141 µl aqua dest.
Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

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Sequences of amino acids

VEKVLQFVASKKIRMHQTS AKDIVDGNLKSIMRLVLALAA HFKPGSSRTVNQGRDSR
 APLQSHRPHCATAVAQGAAAA LADVCHDMSRSGRDVFRYRQRNSSMDEEIENPY
 WSVRA LVQQYEGQQRSPSESSCSLTSPSPIHSAKSESITQSEE KADFVIIPAEGIE
 NRTEG

GENE INFORMATION

Gene Name	DIXDC1 DIX domain containing 1 [Homo sapiens]
Official Symbol	DIXDC1
Synonyms	DIXDC1; DIX domain containing 1; dixin; KIAA1735;
Gene ID	85458
mRNA Refseq	NM_001037954
Protein Refseq	NP_001033043
MIM	610493
Uniprot ID	Q155Q3
Chromosome Location	11q23.1
Function	actin binding; gamma-tubulin binding; mitogen-activated protein kinase kinase kinase binding; protein binding; protein domain specific binding;

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