Recombinant Human SYNE2 Protein (Glu6-Ala264), His tagged

Cat. No. SYNE2-5767H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SYNE2 (Glu6-Ala264) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu6-Ala264
Description	Multi-isomeric modular protein which forms a linking network between organelles and the actin cytoskeleton to maintain the subcellular spatial organization. As a component of the LINC (LInker of Nucleoskeleton and Cytoskeleton) complex involved in the connection between the nuclear lamina and the cytoskeleton. The nucleocytoplasmic interactions established by the LINC complex play an important role in the transmission of mechanical forces across the nuclear envelope and in nuclear movement and positioning. Specifically, SYNE2 and SUN2 assemble in arrays of transmembrane actin-associated nuclear (TAN) lines which are bound to F-actin cables and couple the nucleus to retrograde actin flow during actin-dependent nuclear movement.
Form	Lyophilized powder/frozen liquid
Molecular Mass	28.65 kDa
Purity	> 90 % as determined by SDS-PAGE

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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	SYNE2 spectrin repeat containing, nuclear envelope 2 [Homo sapiens (human)]
Official Symbol	SYNE2
Synonyms	SYNE2; spectrin repeat containing, nuclear envelope 2; nesprin-2; DKFZP434H2235; KIAA1011; Nesprin 2; NUA; NUANCE; SYNE 2; nesprin 2; polytrophin; synaptic nuclei expressed gene 2; synaptic nuclear envelope protein 2; nuclear envelope spectrin repeat protein 2; nucleus and actin connecting element protein; EDMD5; TROPH; SYNE-2; Nesprin-2; FLJ11014; FLJ43727; FLJ45710; FLJ46790; DKFZp434H2235; DKFZp686H1931; DKFZp686E01115;
Gene ID	23224
mRNA Refseq	NM_015180
Protein Refseq	NP_055995

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MIM	608442
UniProt ID	Q8WXH0

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