

Recombinant Human ACTL7B Protein, GST-tagged

Cat. No. ACTL7B-226H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACTL7B partial ORF (NP_006677, 286 a.a. - 377 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is a member of a family of actin-related proteins (ARPs) which share significant amino acid sequence identity to conventional actins. Both actins and ARPs have an actin fold, which is an ATP-binding cleft, as a common feature. The ARPs are involved in diverse cellular processes, including vesicular transport, spindle orientation, nuclear migration and chromatin remodeling. This gene (ACTL7B), and related gene, ACTL7A, are intronless, and are located approximately 4 kb apart in a head-to-head orientation within the familial dysautonomia candidate region on 9q31. Based on mutational analysis of the ACTL7B gene in patients with this disorder, it was concluded that it is unlikely to be involved in the pathogenesis of dysautonomia. Unlike ACTL7A, the ACTL7B gene is expressed predominantly in the testis, however, its exact function is not known. [provided by RefSeq, Jul 2008]
Molecular Mass	35.86 kDa
AA Sequence	GKLITIGQERFRCSEMLFQPSLAGSTQPGLPELTAACLGRCQDTGFKEEMAANVLLC GGCTMLDGFPERFQRELSLLCPGDSPAVAAAPERK
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

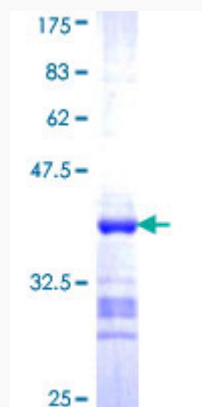
GENE INFORMATION

Gene Name	ACTL7B actin-like 7B [Homo sapiens]
Official Symbol	ACTL7B
Synonyms	ACTL7B; actin-like 7B; actin-like protein 7B; Tact1; actin-like 7-beta; actin-like-7-beta;
Gene ID	10880
mRNA Refseq	NM_006686
Protein Refseq	NP_006677
MIM	604304
UniProt ID	Q9Y614

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12.5% SDS-PAGE Stained with Coomassie Blue.

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