

IGSF3 Protein, Human (HEK293, His)

Cat. No.:	HY-P76412
Synonyms:	Immunoglobulin superfamily member 3; Igsf3; Glu-Trp-Ile EWI motif-containing protein 3; EWI-3
Species:	Human
Source:	HEK293
Accession:	O75054-1 (Q20-A1124)
Gene ID:	3321
Molecular Weight:	Approximately 130-150 kDa due to the glycosylation.

PROPERTIES

AA Sequence

QRQVTVQEGP	LYRTEGSHIT	IWCNVSGYQG	PSEQNFQWSI
YLPSSPEREV	QIVSTMDSSF	PYAIYTRVR	GGKIFIERVQ
GNSTLLHITD	LQARDAGEYE	CHTPSTDKQY	FGSYS AKMNL
VVIPDSLQTT	AMPQTLHRVE	QDPLELTCEV	ASETIQHSHL
SWAWLRQKVG	EKPVEVISLS	RDFMLHSSSE	YAQRQSLGEV
RLDKLGRTTF	RLTIFHLQPS	DQGEFYCEAA	EWIQDPDGSW
YAMTRKRSEG	AVVNV	QPTD	KEFTVRLETE
KRLHTVGEPV	EFRCILEAQN	VPDRYFAVSW	AFNSSLIATM
GPNAVPLNS	EFAHREARGQ	LKVAKESDSV	FVLKIYHLRQ
EDSGKYNCRV	TEREKTVTGE	FIDKESKRPK	NIP IIVLPLK
SSISVEVASN	ASVILEGEDL	RFSCSVRTAG	RPQGRFSVIW
QLVDRQNRSS	NIMWLD RDGT	VQPGSSYWER	SSF GG VQMEQ
VQPNSFSLGI	FNSRKEDEGQ	YECHVTEWVR	AVDGEWQIVG
ERRASTPISI	TALEMGFAVT	AISRTPGVTY	SDSFDLQCI I
KPHYPAWVPV	SVTWRFQPVG	TVEFHDLVTF	TRDGGVQWGD
RSSSFRTRTA	IEKAESSNNV	RLSISRASDT	EAGKYQCVAE
LWRKNYNNTW	TRLAERTSNL	LEIRVLQPVT	KLQVSKSKRT
LTLVENKPIQ	LNC SVKSQTS	QNSHF AVLWY	VHKPSDADGK
LILKTTTHNSA	FEYGT YAE E E	GLRARLQFER	HVSGGLFSLT
VQRAEVSDSG	SY YCHVEEWL	LSPNYAWYKL	AEEVSGRTEV
TVKQPDSRLR	LSQAQGNLSV	LETRQVQLEC	VVLNRTSITS
QLMVEWFVWK	PNHPERETVA	RLSRDATFHY	GEQA AKNNLK
GRLHLESPSP	GVYRLF IQNV	AVQDSGTYSC	HVEEWL P SPS
GMWYKRAEDT	AGQTALTVMR	PDASLQVDTV	VPNATVSEKA
AFQLDCSIVS	RSSQDSRFAV	AWYSLRTKAG	GKRSSPGL EE
QEEEEEEEE E	EDDDDDDDPT	ERTALLSVGP	DAVFGPEGSP
WEGRLRFQRL	SPVLYRLTVL	QASPQDTGNY	SCHVEEWLPS
PQKEWYRLTE	EESAPIGIRV	LDTSP TLQSI	ICSNDA

Appearance

Lyophilized powder.

Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

IGSF3 is a membrane protein expressed in a neuron specific- and time-dependent manner during brain development. In the developing brain, IGSF3 is in a complex with the tetraspanin TSPAN7, a membrane protein mutated in several forms of X-linked intellectual disabilities^[1].

IGSF3, situated on chromosome 1p13.1, is part of the immunoglobulin (Ig) superfamily. IGSF3 promotes the growth of HCC in vivo in a xenograft tumor model. IGSF3 enhances cell cycle progression, cell growth, migration, and invasion of HCC cell lines. Reduction in expression of IGSF3 through knockdown significantly reduces the levels of p-NF-κB/NF-κB and p-IKβα/IKβα, and overexpression of IGSF3 has the opposite result^[2].

Caution: Product has not been fully validated for medical applications. For research use only.

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