

# Product information

## ERBB3, 20-641aa

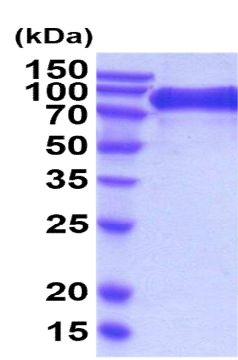
Mouse, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3302

NCBI Accession No.: NP\_034283

Synonyms: ERBB3, C76256, Erbb-3, Erbb3r, Her3

**Description:** ERBB3, also known as receptor tyrosine-protein kinase erbB-3, is a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This protein has been shown to implicate in numerous cancers, including prostate, bladder, and breast tumors. Also, it is found in epithelial cell layers of gastrointestinal, reproductive, urinary, endocrine and nervous systems, skin and muscle. ERBB3 has different isoforms derived from alternative splicing variants, and among which, the secreted isoform lacking the intermembrane region modulates the activity of membrane-bound form. Recombinant mouse ERBB3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

<p><b>Form:</b> Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.</p> <p><b>Molecular Weight:</b> 69.5kDa (630aa) 70-100KDa (SDS-PAGE under reducing conditions.)</p> <p><b>Predicted N terminal:</b> Ser20</p> <p><b>Purity:</b> &gt; 90% by SDS – PAGE.</p> <p><b>Concentration:</b> 0.5mg/ml (determined by Absorbance at 280nm)</p> <p><b>Endotoxin Level:</b> &lt; 1.0 EU per 1µg of protein (determined by LAL method)</p>	 <p>15% SDS-PAGE (3µg)</p>
<p><b>Sequences of amino acids:</b></p> <pre> SEMGN SQAVC PGT L NGLSVT GDADN QYQTL YKLYE KCEVV MGNLE I VLTG HNADLSFLQW IREVTGYVLV AMNEFSVLPL PNLRRVVRGTQ VYDGKFAIFV MLNYNTNSSH ALRQLRFTQL TEILLGGVYI EKNDKLCHMD TIDWRD I VRV PD AE I VVKNN GGNCPPCHEV CKGRCWGPGP EDCQILTKTI CAPQCNGRCF GPNPNQCCHD ECAGGCSGPQ DTDCFACRHF NDSGACVPRC PAPLVYNKLT FQLEPNPHIK YQYGGVCVAS CPHNFVVDQT FCVRACPADK MEVDKNGLKM CEP CRGLCPK ACEGTGSGSR YQTV DSSNID GFVNCTKILG NLDFLITGLN GDPWHKIPAL DPEKLVNFRT VREITGYLNI QSWPPHMHNF SVFSNLTTIG GRSLYNRGFS LLIMKNL NVT SLGFRSLKEI SAGRVYISAN QQLCYHHSLN WTRLLRGP AE ERLDIKYNRP LGECVAEGKV CDPLCSSGGC WGP GPQCLS CRNYSREGVC VTHCNVLQGE PREFVHEAHC FSCHPECQPM EGTSTCNGSG SDACARCAHF RDGPHCVNSC PHGILGAKGP IYKYPDAQNE CRPCHENCTQ GCKGPELQDC LGQAEVLM SK PHLEHHHHHH </pre>	

### General references:

Hao J., *et al.* (2014) *Biochem. J.* 458:335-341.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

# Product information

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Kwon HS., *et al.* (2013) *J. Biol. Chem.* 288:26357-26371.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

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