

Recombinant mouse ErbB3/Her3 protein

Catalog Number: ATGP3302

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

20-641aa

UniProt No.

Q61526

NCBI Accession No.

NP_034283

Alternative Names

ERBB3, C76256, Erbb-3, Erbb3r, Her3

PRODUCT SPECIFICATION

Molecular Weight

69.5 kDa (630aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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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.

Amino acid Sequence

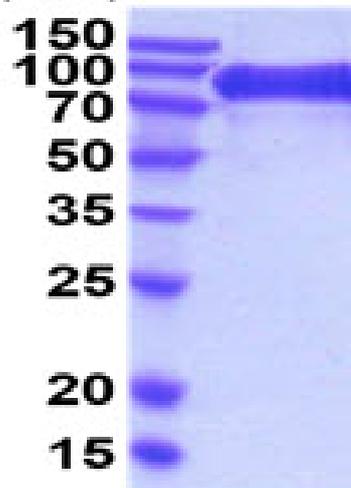
SEMGNSQAVC PGTNLNLSVT GDADNQQYQTL YKLYEKCEVV MGNLEIVLTG HNADLSFLQW IREVTGYVVLV AMNEFSVLPL
PNLRVVRGTQ VYDGKFAIFV MLNYNTNSSH ALRQLRFTQL TEILLGGVYI EKNDKLCHMD TIDWRDIVRV PDAEIVVKNN
GGNCPPCHEV CKGRCWGP GP EDCQILTKTI CAPQCNGRCF GPNPNQCCHD ECAGGCSGPQ DTDCFACRHF
NDSGACVPRC PAPLVYNKLT FQLEPNPHIK YQYGGVCVAS CPHNFVVDQT FCVRACPADK MEVDKNGLKM CEPGRGLCPK
ACEGTGSGSR YQTVDSSNID GFVNCTKILG NLDLITGLN GDPWHKIPAL DPEKLNVFRT VREITGYLNI QSWPPHMHNF
SVFSNLTTIG GRSLYNRGFS LLIMKNLNVV SLGFRSLKEI SAGRVIYISAN QQLCYHSLN WTRLLRGP AE ERLDIKYNRP
LGECVAEGKV CDPLCSSGGC WGP GPGQCLS CRNYSREGVC VTHCNVLQGE PREFVHEAHC F SCHPECQPM
EGTSTCNGSG SDACARCAHF RDGPHCVNSC PHGILGAKGP IYKYPDAQNE CRPCHENCTQ GCKGPELQDC LGQAEVLM SK
PHLEHHHHHH

General References

- Hao J., et al. (2014) *Biochem. J.* 458:335-341.
Kwon HS., et al. (2013) *J. Biol. Chem.* 288:26357-26371.

DATA

SDS-PAGE

(kDa)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)