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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

GRM7 (Human) Recombinant Protein (P01)

Catalog Number: H00002917-P01

Regulation Status: For research use only (RUO)

Product Description: Human GRM7 full-length ORF (NP_000835.1, 1 a.a. - 915 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MVQLRKLLRVLTLMKFPCCVLEVLCCALAAAARGQEM
YAPHSIRIEGDVTLGGLFPVHAKGPSGVPCGDIKRENG
IHRLEAMLYALDQINSDPNLLPNVTLGARILDTCSRDTY
ALEQSLTFVQALIQKDTSDVRCTNGEPPVFKPEKVVVG
VIGASGSSVSIMVANILRLFQIPQISYASTAPELSDDRR
YDFFSRVVPDSFQAQAMVDIVKALGWNYVSTLASEG
SYGEKGVESFTQISKEAGGLCIAQSVRIPQERKDRTID
FDRIIKQLLDTPNRAVVIFANDEDIKILAAAKRADQV
GHFLWVGSDSWGSKINPLHQHEDIAEGAITIQPKRATV
EGFDAYFTSRTLENNRRNVWFAEYWEENFNCKLTISG
SKKEDTRKCTGQERIGKDSNYEQEGKVQFVIDAVYA
MAHALHHMNKDLCADYRGVCPPEMEQAGGKLLKYIR
NVNFNGSAGTPVMFNKNGDAPGRYDIFQYQTTNTSN
PGYRLIGQWTDLQLNIEDMQWGKGVREIPASVCTLP
CKPGQRKKTQKGTGCCWTCEPCDGYQYQFDEMTCC
HCPYDQRPENRTGCQDPIIKLEWHSPWAVIPVFLAM
LGIIATIFVMATFIRYNDTPIVRASGRELSYVLLTGIFLCYI
ITFLMIAPDVAVCSFRRVFLGLGMCISYAALLTKTNRIY
RIFEQGGKSVTAPRLISPTSQLAITSSLISVQLLGVFIWF
GVDPPNIIIDYDEHKTMNPEQARGVLKCDITDLQIICSL
GYSILLMVTCTVYAIKTRGVENFNEAKPIGFTMYTTTCI
VWLAFIPIFFGTAQSAEKLYIQTTTLTISMNLSASVALG
MLYMPKVYIIIFHPELVNQRKRKRSFKAVVTAATMSSRLS
HKPSDRPNGEAKTELCEVDPNPAKKKYVSYNNLV
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Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 128.7

Interspecies Antigen Sequence: Mouse (99); Rat (99)

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GenID: 2917

Gene Symbol: GRM7

Gene Alias: FLJ40498, GLUR7, GPRC1G, MGLUR7, mGlu7

Gene Summary: L-glutamate is the major excitatory neurotransmitter in the central nervous system, and it activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors that have been divided into three groups on the basis of sequence homology, putative signal transduction mechanisms, and pharmacologic properties. Group I includes GRM1 and GRM5, and these receptors have been shown to activate phospholipase C. Group II includes GRM2 and GRM3, while Group III includes GRM4, GRM6, GRM7 and GRM8. Group II and III receptors are linked to the inhibition of the cyclic AMP cascade but differ in their agonist selectivities. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]